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CHARACTERISTICS

OF

PRINCIPAL FOREIGN SHIPS OF WAR,

PREPARED FOR THE

BOARD ON FORTIFICATIONS, ETC.,

IN THE

OFFICE OF NAVAL INTELLIGENCE,

BUREAU OF NAVIGATION,

NAVY DEPARTMENT.

1885.

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INCLOSURE

Characteristics of principal

(Prepared in the Office of Naval

[NOTE.—The dates given refer to year of launch and are all subsequent to 1870.

ENGLAND.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Barbette armored ships.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Téméraire	Iron; sheathed; 1876; battle and cruising ship; belt and two barbette towers; brig rig; protective deck, 1½" thick; condition good.	531	14.6	285 0	62 2	27 2	8,540	4	11	25-ton M. L	14
								4	10	18-ton M. L	13
Impérieuse	Steel; sheathed; 1883; barbette battle and cruising ship; partial belt; four barbette towers; unprotected broadside; protective deck, 2" to 4" thick, steel; brig rig; condition good.	400	16	315 0	62 0	25 6	7,390	4	9.2	do	19
								6	6	do	11.9
Warspite	Steel; sheathed; 1884; condition good	400	16	315 0	62 0	25 6	7,300	4	9.2	do	19
								6	6	do	11.9
Collingwood	Steel, 1882; barbette battle-ship; partial belt; two barbettes; unprotected broadside; protected from raking fire by bulkheads from towers to side; one mast; military top; protective deck, 2½" thick; condition good.	423	16.84	325 0	68 0	26 3	9,150	4	12	43-ton B. L	26.8
								6	6	B. L	11.9
Rodney	Steel, 1884; type of Collingwood; protective deck, 2½" to 3" thick; condition good.	445	*16	325 0	68 0	27 3	9,600	4	13.5	do	30.6
								6	6	do	11.9
Howe	Steel, 1885; sister ship to Rodney; completing	445	*16	325 0	68 0	27 3	9,600	4	13.5	do	30.6
								6	6	do	11.9
Benbow	Steel, 1885; type of Collingwood; deck, 2½" to 3" thick; completing.	455	*16	330 0	68 6	27 3	10,000	2	16.25	110-ton B. L	32.5
								10	6	B. L	11.9
Camperdown	Steel; type of Collingwood; deck, 2½" to 3" thick; building.	445	*16	330 0	68 6	27 3	10,000	4	13.5	do	30.6
								6	6	do	11.9
Anson	do	454	*16	330 0	68 6	27 3	10,000	4	13.5	do	30.6
								6	6	do	11.9
Turret armored ships.											
Devastation	Iron, 1871; battle-ship; high freeboard; double turrets; breastwork monitor; one mast; protective deck, 3" to 2" thick; condition good.	358	13.84	285 0	62 3	27 6	9,330	4	12	35-ton M. L	15.5
Thunderer	Iron, 1872; type of Devastation (sister ship); condition good.	356	13.4	285 0	62 3	27 0	9,330	2	12.5	38-ton M. L	18.7
								2	12	35 ton M. L	15.5
Dreadnaught	Iron, 1875; type of Devastation; deck, 3", 2½", 2" thick; condition good.	369	14.24	320 0	63 10	26 9	10,820	4	12.5	38-ton M. L	18.7
Neptune	Iron; sheathed; 1874; battle and cruising ship; two turrets; casemate; bark rig; built for Brazil; protective deck, 3" to 2" thick; condition good.	541	14.2	300 0	63 0	26 1	9,310	4	12.5	do	18.7
								2	8	11-ton B. L	14.4
Inflexible	Iron, 1876; battle-ship; partial belt; citadel and two turrets; unprotected ends; cork belt; two masts; protective deck, 3" thick; condition good.	440	14.75	320 0	75 0	26 4	11,880	4	16	80-ton M. L	27.5
								6	4	B. L	
Ajax	Iron, 1880; type of Inflexible; protective deck, 3" thick; condition good.	385	13.5	280 0	66 0	24 0	8,510	4	12.5	38-ton M. L	18.7
								2	6	B. L	14.1
Agamemnon	Iron, 1879; sister ship to Ajax; condition good	385	*13	280 0	66 0	24 0	8,510	4	12.5	38-ton M. L	18.7
								2	6	B. L	14.1
Conqueror	Steel, 1881; battle-ship; medium freeboard; one turret; unarmored superstructure abaft; protective deck, 2½" to 1½" thick, steel; one steel mast; condition good.	250	15.5	270 0	58 0	24 0	6,200	2	12	43-ton B. L	24.8
								4	6	B. L	14.1
Hero	Steel; sister ship to Conqueror; building		*15.5	270 0	58 0	24 0	6,200	2	12	43-ton B. L	24.8
								4	6	B. L	14.1

* Official estimates.

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A.

foreign ships of war.

Intelligence, Navy Department.)

The speed given is the highest attained with all weights and stores on board.]

ENGLAND.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Two in barbette towers, two in broadside. In broadside.	.....	1,650	2,474	550	Belt complete; casemate; 2 barbette towers; conning tower; ammunition tubes.	Iron.....	11	8	1½	Teak..	16–12	One barbette tower forward, one aft, 8″ to 10″ thick; iron.
In barbette towers..... In broadside.	Two 2d cl.	1,160	1,260	1,160	Belt 139′; 4 barbettes; conning tower; ammunition tubes.	....do	10	7	1	..do ..	10	One barbette forward, one aft, one each side in waist, 8″ thick; compound. *Coal protection*, surrounding boilers and engines.
Same as Impérieuse....	....do	1,160	1,260	1,160	....do	....do	10	7	1	..do ..	10	Do.
In barbette towers..... In broadside.	....do	1,428	3,156	1,428	Belt 140′; 2 barbettes; bulkheads; conning tower; ammunition tubes.	Compound	18	8	1	..do ...	17–10	Barbette towers, 10″ to 11½″ thick; compound.
In barbette towers..... In broadside.	....do	(†)	5,300	(†)	Same as Collingwood.	....do	18	8	1	..do ...	17–10	Barbettes, 10″ to 11½″ thick; compound.
Same as Rodney	(†)	(†)	5,300	(†)	....do	....do	18	8	1	..do ...	17–10	Do.
In barbette towers. ... In broadside; 2 have bow and stern fire.	One 2d cl., one picket.	2,000	4,100	2,000	Belt 150′; 2 barbettes; conning tower; ammunition tubes.	....do	18	8	1	..do ...	15–12	Barbettes, 12″ to 14″ thick; compound. *Coal protection*, 9′ thick along wing passages, 21′ thick athwartships, forward and aft of machinery.
In barbette towers .... In broadside.	Two 2d cl.	(†)	5,300	(†)	....do	....do	18	8	1	..do ...	15–12	Do.
Same as Camperdown..	(†)	(†)	5,300	(†)	....do	....do	18	8	1	..do ...	15–12	Do.
In turrets	.....	1,430	2,860	1,430	Belt complete; turrets; breastwork; conning tower.	Iron.....	12	8	1½–1½	..do ...	16–18	Two turrets, 12″ and 14″ thick.
In forward turret..... In after turret.	Two 2d cl.	1,636	3,064	1,430	....do	.. do	12	8	1½–1½	..do ...	16–18	Do.
In turrets	.....	1,626	3,272	1,626	... do	....do	14	11	1½–1	..do ...	18–15	Two turrets, 14″ thick. *Coal protection;* protecting boilers and engines.
In turrets ..... On spar deck.	.....	360	3,322	(†)	....do	....do	12	9	1½–1½	..do ...	15–10	Two turrets, 13″ to 11″ thick.
In turret ..... In broadside, upper deck.	One 2d cl., one 48′ pinnace.	6,800	6,955	3,400	Belt 90′; citadel; turrets; conning tower.	....do	24	16	1	..do ...	25–17	Two turrets placed diagonally in citadel, 17″ and 16″ thick; compound. *Coal protection*; protecting boilers and engines.
In turrets ..... On superstructure, fore and aft fire.	.....	3,372	3,472	1,736	... do	....do	18	15	1	..do ...	18–9	Same as Inflexible, but steers very badly.
Same as Ajax.....	.....	3,372	3,472	1,736	...do	....do	18	15	1	..do ...	18–9	Do.
In turret ..... 2 on superstructure; 2 aft in superstructure, with stern fire.	.....	1,428	1,628	200	Belt complete to near stern; turret; citadel; conning tower.	Compound	12	8½	1	..do ...	13½–9	One turret forward, 12″ thick; compound. *Coal protection*; protecting boilers and engines.
In turret ..... On upper deck.	.....	.....	(†)	.....	Similar to Conqueror	....do	12	8½	1	..do ...	13½–9	Same as Conqueror. *Coal protection*; protecting boilers and engines.

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ENGLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Turret armored ships—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Colossus	Steel, 1882; improved type of Inflexible; two steel signal masts; protective deck, 3″ thick, steel; condition good.	396	*16.5	325 0	68 0	26 3	9,150	4	12	43-ton B. L	
								2	6	B. L	
								2	6	....do	
								1	6	....do	
Edinburgh	Steel, 1882; sister ship; condition good	396	*17.2	325 0	68 0	26 3	9,150	4	12	43-ton B. L	
								2	6	B. L	
								2	6	....do	
								1	6	....do	
Renown	Steel; battle-ship; one turret; breastwork and partial belt 170′ long amidships; all protected by 18″ compound armor; transverse bulkheads at the belt ends, armor 16″ thick; superstructure containing broadside battery 150′ long is protected on sides by 3″, and at ends from raking fire by 6″ compound armor, and by traverse bulkheads between the guns 3″ thick; protective deck, extending over citadel to each end of ship 3″ thick, five above water torpedo ports and four below water; building.	430	*15.5	340 0	70 0	27 3	10,500	2	16.25	110-ton B. L	
								12	6	B. L	
								1	9.2	....do	
Sanspareil	.... do	430	*15.5	340 0	70 0	27 3	10,500	2	16.25	110-ton B. L	
								12	6	B. L	
								1	9.2	....do	
Casemate armored ships.											
Audacious	Iron; sheathed; 1869; battle and cruising ship; bark rig; belt and casemate; condition good.	482	13.6	280 0	54 0	23 8	6,010	4	9	M. L	10.4
								8	4	B. L	
								6	9	M. L	10.4
Invincible	.....do	482	13.6	280 0	54 0	23 8	6,010	4	9	...do	10.4
								8	4	B. L	
								6	9	M. L	10.4
Iron Duke	Iron, 1870; do	482	13.6	280 0	54 0	23 8	6,010	4	9	....do	10.4
								8	4	B. L	
								6	9	M. L	10.4
Swiftsure	Iron; sheathed; 1870 type of Audacious and class; condition good.	473	13.75	280 0	55 0	26 1	6,910	4	9	....do	10.4
								8	4	B. L	
								6	9	M. L	
Triumph	.....do	473	13.52	280 0	55 0	26 7	6,640	4	9	....do	10.4
								8	4	B. L	
								6	9	M. L	
Sultan	Iron, 1870; battle-ship; ship rig; condition good	632	14	325 0	59 6	27 11	9,290	4	8	B. L	15.9
								7	4	....do	
								8	9.2	....do	17.3
Alexandra	Iron, 1875; battle-ship; ship rig; protective deck over belt, 1½″ and 1″ thick; condition good.	674	15	325 0	63 8	26 6	9,490	2	11	25-ton M. L	14
								2	10	18-ton M. L	12.8
								6	4	B. L	
								8	10	18-ton M. L	12.8
Superb	Iron, 1875; battle-ship; ship rig; built for Turkey; iron deck over belt, 1½″ thick; condition good.	620	13.7	332 3	59 0	26 5	9,170	4	10	....do	12.8
								6	4	B. L	
								12	10	18-ton M. L	12.8

*Official estimates.

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foreign ships of war—Continued.

ENGLAND—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In turrets	One 2d cl.	3,156	3,156	3,056	Similar to Inflexible.	Compound	18	14	1	Teak.	22–10	Two turrets placed diagonally in citadel, 16″ thick; compound.
On forward superstructure, broadside.												
On forward superstructure, fore and after fire.												
On after superstructure, after fire.												
Same as Colossus	....do	3,156	3,156	3,056	....do	.. do	18	14	1	..do	22–10	Do.
In turret		3,600	4,520	520	Belt 170′; one turret.	....do	18			..do	10–6	One turret, 18″ thick; compound
In broadside.												
Pivot, aft on superstructure.												
Same as Renown		3,600	4,520	520	....do	... do	18			..do	10–6	Do.
Broadside, upper deck.			1,390		Belt complete; casemate 59′ on gun-deck, 32′ 7″ on spar-deck.	Iron	8	6	1½	..do	10–8	
Do.												
Broadside, main deck.												
Same as Audacious			1,478		....do	....do	8	6	1½	..do	10–8	
.....do			1,450		....do	....do	8	6	1½	..do	10–8	
Broadside, upper deck.			1,390		Similar to Audacious	....do	8	6	1½	..do	10–8	
Do.												
Broadside, main deck.												
Broadside, upper deck.			1,450		....do	....do	8	6	1½	..do	10–8	
Do.												
Broadside, main deck.												
In chase, upper deck; 2 bow, 2 stern fire.		360	1,560	360	Belt complete; casemate 84′ 4″ on gun-deck, 32′ 3″ on spar-deck.	Iron	9	6	1½	..do	12–10	
Broadside, stern fire.												
Broadside, main deck; 2 forward guns, nearly bow fire.												
On upper deck, bow and beam fire.		1,914	2,672	820	Belt complete; casemate 75′ 9″ on gun-deck, 44′ on spar-deck.	....do	12	6	1½	..do	12–10	
On upper deck, stern and beam fire.												
On upper deck, broadside.												
On main deck, broadside; 2 forward guns bow fire.												
In chase, upper deck	Two 2d cl.	820	3,355	820	Belt; casemate 111′ long.	....do	12	7	1½	..do	12–8	
Broadside, upper deck.												
Broadside, in casemate.												

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ENGLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Casemate armored ships—Continued.			*Knots.*	*Ft. in.*	*Ft. in.*	*Ft. in.*	*Tons.*		*Inch.*		
Belleisle	Iron, 1876; small type battle ship; brigantine rig; built for Turkey; deck over belt, 3″, 2″, 1″, thick; condition good.	235	12.2	245 0	52 0	21 1	4,870	4	12	25-ton M. L	13.9
Orion	Iron, 1879; small type battle ship; brigantine rig; built for Turkey; deck over belt, 3″, 2″, 1″, thick; condition good.	244	12.8	245 0	52 0	21 1	4,870	4	12	do	13.9
Belted cruisers.											
Northampton	Iron; sheathed; 1876; belted cruisers; unprotected broadside; protected from raking fire, and chase-guns protected by bulkheads with wings; bark rig; protective deck, 3″, 2″ thick, iron; condition good.	564	13.17	280 0	60 0	25 9	7,630	4	10	18-ton M. L	12.8
								8	9	12-ton M. L	10.4
Nelson	do	556	14.05	280 0	60 0	26 6	7,630	4	10	18-ton M. L	
								8	9	12-ton M. L	
Shannon	Iron; sheathed; 1875; belted cruisers; armor on water-line; unprotected broadside; protected from raking fire by bulkhead forward; protective deck, 3″, 1½″, 1″ thick; ship rig; condition good.	454	12.35	260 0	54 0	23 6	5,390	2	10	18-ton M. L	12.8
								1	9	12-ton M. L	10.4
								6	9	do	
Orlando	Steel; belted cruiser; battery unprotected; curved protective deck entire length 3″ and 2″ steel, over top of belt; dipping below water forward and aft of belt; 4 above water torpedo tubes on protective deck; train 90° from within 10° of fore and aft line; 4 fixed below water tubes in forward compartment; 2 fire 45° on bow; 2 fire abeam; 2 masts; armored tops; building; to be completed in 1887.	350	*17.5	300 0	56 0	22 6	5,000	2	9.2	18-ton B. L	19
								10	6	B. L	14
Undaunted	do	350	*17.5	300 0	56 0	22 6	5,000	2	9.2	18-ton B. L	19
								10	6	B. L	14
Australia	do	350	*17.5	300 0	56 0	22 6	5,000	2	9.2	18-ton B. L	19
								10	6	B. L	14
Narcissus	do	350	*17.5	300 0	56 0	22 6	5,000	2	9.2	18-ton B. L	19
								10	6	B. L	14
Galatea	do	350	*17.5	300 0	56 0	22 6	5,000	2	9.2	18-ton B. L	19
								10	6	B. L	14
Turret coast-defense ships.											
Glatton	Iron, 1871; single turret; breastwork; monitor type; battle ship for coast defense; deck, 3″ thick, iron; condition good.	185	12.11	245 0	54 0	19 3	4,910	2	12	do	13.9
Cyclops	Iron, 1871; similar type (double turret); deck, 1½″ thick, iron; condition good.	157	10.7	225 0	45 0	16 4	3,480	4	10	18-ton M. L	12.8
Gorgon	do	157	11	225 0	45 0	16 4	3,480	4	10	do	
Hecate	do	157	10.6	225 0	45 0	16 4	3,480	4	10	do	
Hydra	do	157	10.9	225 0	45 0	16 4	3,480	4	10	do	
Rupert	Iron, 1872; breastwork turret; ram; free-board increased by unarmored superstructure on deck; deck, 3″, 2″ thick, iron; schooner rig; condition good.	217	13	250 0	53 0	23 7	5,440	2	9.2	B. L	17.3
								2	6	do	11.9
Torpedo rams.											
Polyphemus	Steel, 1881; ram; low free-board; turtle-back superstructure; has 5 torpedo tubes; carries 40 14″ Whiteheads; condition good.	132	17.85	240 0	40 0	21 3	2,640			Machine guns	
Not named	Steel; similar to Polyphemus; building	150	*17.5	270 0	46 0	19 9	3,220	2	5	B. L	8.7
Unarmored cruisers with protective decks.											
Comus, and eight others of class.	Iron and steel; sheathed; 1878–'81; ship rig; protective deck 1½″ steel over machinery and magazines; water-tight compartments between protective deck and deck above; steel shutters for hatches; sail well; poop, top-gallant forecastle; condition good; 3 are bark rigged.	265	13 to 14	225 0	44 6	18 6 to 19 3	2,380	2	6	do	11.9
								10	6	do	
									or		
								2	7	M. L	7.7
								12		64-pdr. M. L	

* Official estimates.

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foreign ships of war—Continued.

ENGLAND—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In chase		1,228	1,268	1,228	Belt; casemate 45′ long.	Iron	12	6	1½	Teak	16–9	
do	Two 2d cl.	1,228	1,268	1,228	do	do	12	6	1½	do	16–9	
In chase, main deck	do	820	1,912	820	Belt 181′ 9″ long; bulkheads forward and aft, with wings.	do	9	6	1½	do	10	
Broadside, main deck.												
Same as Northampton	do	820	1,912	820	do	do	9	6	1½	do	10	
In chase		820	1,502	258	Belt from 60′ abaft stem to stern; bulkhead forward.	do	9	6	1½	do	12–10	
Pivot.												
In broadside.												
Pivots; 1 forward, 1 aft; train from 50° forward to 50° abaft beam, from astern and ahead.		520	1,140	520	Belt along waterline 192′ long.	Compound	10			do	6	*Coal protection;* protecting boilers and engines. Broadside guns mounted in recessed ports, protected by semi-circular steel shields on the gun-carriage.
On upper deck, broadside; 2 bow, 2 stern fire; on sponsons.												
Same as Orlando		520	1,140	520	do	do	10			do	6	Do.
do		520	1,140	520	do	do	10			do	6	Do.
do		520	1,140	520	do	do	10			do	6	Do.
do		520	1,140	520	do	do	10			do	6	Do.
In turret		1,228	1,288		Belt; breastwork; 1 turret.	Iron	8	5	1½	do	15–20	One turret forward, 14″ thick; iron.
In turrets		800	1,600	800	Belt; breastwork; 2 turrets.	do	8	5	1–1½	do	11–9	Two turrets, 10″ thick; iron.
do		800	1,600	800	do	do	8	5	1–1½	do	11–9	Do.
do		800	1,600	800	do	do	8	5	1–1½	do	11–9	Do.
do		800	1,600	800	do	do	8	5	1–1½	do	11–9	Do.
In turret		640	740	200	Belt; breastwork; 1 turret.	do	12	7	1½	do	14–10	One turret forward, 14″ thick; iron.
In broadside on upper deck; stern and beam fire.												
					Turtle-back completely covered.	Steel	3	3				
(?)		100	(?)	(?)	do	do	4½	3				
Pivots		100	700	100								All of class to have same battery as "Comus" as rapidly as they can be changed. *Coal protection;* protecting boilers and engines.
Broadside.												
Pivots		115	771	115								
Broadside.												

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ENGLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers with protective decks—Cont'd.			*Knots.*	*Ft In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Heroine, and six others of class.	Steel composite, 1880–'84; bark rig; protective deck 1¼" steel over boilers, &c.; 14 water-tight bulkheads; poop, and top-gallant forecastle; condition good.	159	13 to 12.5	200	38 0	15 9	1,420	2	6	B. L	11.9
								6	6	....do	....
								or			
								2	6	....do	11.9
								10	5	....do	8.7
Leander, and three others of class.	Steel, 1882–'83; bark rig; protective deck 1½" steel over boilers, &c.; poop and forecastle connected by fore-and-aft bridge; condition good.	267	*16	300	46 0	20 6	3,750	4	6	....do	14
								6	6	....do	11.9
Calypso	Steel; sheathed; 1883–'84; bark rig; protective deck 1½" steel over boilers, &c.; poop, and top-gallant forecastle; condition good.	266	*13.75	235	44 6	19 11	2,770	4	6	....do	11.9
Calliope	....do	266	*13.75	235	44 6	19 11	2,770	12	5	....do	8.7
Mersey, and three others of class.	Steel, 1885; two signal masts; protective dock 2" and 3" steel; new type cruiser; building.	250	*17	300	46 0	20 0	3,550	2	8	13-ton B. L	16.3
								10	6	B. L	14
Unarmored cruisers above 4,000 tons displacement.											
Inconstant	Iron; sheathed; 1868; sails well; has forecastle; no poop; ship rig; condition fair.	614	16.2	337.4	50 3	25 6	5,780	2	7	6½-ton M. L	7.7
								4	7	....do	.....
								10	9	12-ton M. L	10.4
Shah	Iron; sheathed; 1873; has poop and forecastle; ship rig; condition good.	602	16.21	334.8	52 0	26 8	6,250	2	9	... do	10.4
								4	.....	64-pdr. M. L	.....
								2	.....	....do	....
								2	.....	....do	.....
								16	7	6½-ton M. L	7.7
Raleigh	....do	549	15.32	298	49 0	24 7	5,200	2	9	12 ton M. L	10.4
								4	6	B. L	11.9
								14	7	4½-ton M. L	.....
Boadicea	Iron; sheathed; 1875; has poop and forecastle; ship rig; condition good.	410	14.89	280	45 0	23 8	4,140	2	7	... do	.....
								2	.....	64-pdr. M. L	.....
Bacchante	Iron; sheathed; 1876; has poop and forecastle; ship rig; condition good.	410	15	280	45 6	23 9	4,130	12	7	4½-ton M. L	.....
Euryalus	Iron; sheathed; 1877; has poop and forecastle; ship rig; condition good.	410	14.7	280	45 6	23 3	4,140	.....	.....	.....	.....
Unarmored cruisers between 4,000 tons and 2,000 tons.											
Rover	Iron; sheathed; 1874; has poop and forecastle; bark rig; condition good.	335	14.53	280	43 6	23 0	3,460	2	6	B. L	11.9
								12	6	....do	....
Opal, and five others of class.	Composite, 1875–'77; has poop and forecastle; ship or bark rig; condition good.	232	13.25 to 12.25	220	40 0	19 7 to 18 8	2,120	2	.....	64-pdr. M. L	.....
								10	.....	....do	.....
								or			
								2	6	B. L	11.9
								2	6	....do	.....
								8	5	....do	8.7
Iris	Steel, 1877; dispatch cruiser; barkentine rig; condition good.	257	15	300	46 0	22 1	3,730	2	.....	64-pdr. M. L	.....
								4	6	B. L	11.9
Mercury	Steel, 1878; dispatch cruiser; 3 mast schooner rig; condition good.	257	*18	300	46 0	22	3,730	4	5	....do	8.7
								2	.....	64-pdr. M. L	.....
Between 2,000 tons and 1,000 tons.								8	.....	....do	.....
Tenedos	Wood, 1870; has poop and forecastle; bark rig; condition fair.	205	12.8	212	36 0	16 10	1,760	2	.....	64-pdr. M. L	.....
								10	.....	....do	....
Thetis	Wood, 1871; has poop and forecastle; ship rig; condition fair.	225	13.4	220	36 0	17 6	1,860	2	.....	....do	.....
								12	.....	....do	.....

* Official estimates.

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foreign ships of war—Continued.

ENGLAND—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivots		100	500	100								First three built have first battery; last four have second battery. *Coal protection;* protecting engines and boilers.
Broadside.												
Pivots		100	450	100								
Broadside.												
On sponsons, 2 forward, 2 aft.		200	500	200								*Coal protection*, about engines and boilers.
Broadside.												
Pivot, 2 forward, 2 aft.		200	500	200								Do.
Broadside.												
Pivots		(†)	860	(†)								Do.
Broadside.												
In chase, on upper deck		115	1,695	115								
Broadside, upper deck.												
Broadside, on main deck												
In chase, upper deck		193	1,730	64								
Broadside, upper deck.												
In chase, upper deck.												
In chase, main deck.												
Broadside, main deck.												
Pivots, upper deck			1,521									
Broadside, upper deck.												
Broadside, main deck.												
Pivots, upper deck		64	984	64								
In chase, main deck.												
Broadside, main deck		50	940	50								Has 6″ B. L. pivots, and 5″ B. L. chase.
……do		64	969	64								Has two 6″ B. L., ten .7″ M. L. broadside.
Pivots		80	640	80								
Broadside.												
Pivots		90	631	90								First two of class have "Opal's" battery; last four have the second battery.
Broadside.												
Pivots		100	500	100								
Broadside.												
Do.												
Pivots	Four, 2d class.	90	480	90								*Coal protection;* protecting engines, &c., 8′ to 5′ thick.
Broadside.												
Do.												
Pivot	do	90	541	90								Do.
Broadside.												
Pivots		64	452	64								
Broadside.												
Pivots		90	722									
Broadside.												

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ENGLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Between 2,000 tons and 1,000 tons—Continued.			*Knots.*	*Ft. in.*	*Ft. in.*	*Ft. in.*	*Tons.*		*Inch.*		
Modeste, and four others of class.	Wood, 1873–'74; has poop and forecastle; bark or ship rig; condition good.	226	13.5 to 12.8	220	37 0	18 4 to 17 6	1,970	2	.....	64-pdr. M. L.	.....
								12	.....	do	.....
								or			
								2	.....	do	.....
								10	.....	do	.....
Wild Swan, and eleven others of class.	Composite, 1876–'80; has poop and forecastle; bark rig; condition good.	138	10.0 to 11.6	170	36 0	14 8 to 14 10	1,130	2	6	B. L	11.9
								2	5	do	8.7
								4	5	do	.....
								or			
								2	7	M L	9.7
								2	.....	64-pdr. M. L.	.....
								2	.....	do	.....
Swallow, and sister ship.	Composite; barkentine rig; machinery, &c., protected by ½" steel deck; building.	82	*14 0	195	28 0	12 0	1,040	4	5	B. L	8.7
								4	5	do	.....
Gun-vessels and cruising gunboats.											
Coquette and six others of class.	Composite, 1872–'73; barkentine rig; cruising gunboat; condition good.	60	9.7 to 10.7	125 0	22 6	10 4 to 10 11	430	2	.....	64-pdr. M. L.	.....
								2	.....	20-pdr. B. L	.....
								or			
								2	5	B. L	.....
								2	4	do	.....
Frolic, and three others of class.	Composite, 1872; bark rig; cruising gunboat; condition good.	78	10.7 to 11	155 0	25 0	9 6 to 10 0	610	1	7	4½-ton M. L	.....
								1	.....	64-pdr. M. L.	.....
								2	.....	20-pdr. B. L	.....
								or			
								1	6	B. L	.....
								1	5	do	.....
								2	5	do	.....
Fantome, and five others of class.	Composite, 1873–'74; bark rig; gun-vessel; condition good.	125	10.5 to 11	160 0	31 4	13 11 to 14 7	940	2	7	4½-ton M. L	.....
								2	.....	64-pdr. M. L.	.....
								or			
								2	6	B. L	.....
								2	5	do	.....
Ariel	Composite, 1873; barkentine; cruising gunboat; condition good.	61	10.26	125 0	23 0	10 6	438	2	.....	64-pdr. M. L	.....
Zephyr	do	61	10.6	125 0	23 0	10 6	438	2	.....	20-pdr. B. L	.....
Arab	Composite, 1874; barkentine rig; gun-vessel; condition good.	100	10.26	150 0	28 6	13 9	720	1	7	4½-ton M. L	.....
								1	.....	64-pdr. M. L.	.....
								2	.....	20-pdr. B. L	.....
Lily	do	100	10.6	150 0	28 6	13 6	720	1	6	B. L	.....
								2	5	do	.....
Cygnet, and eleven others of class.	Composite, 1874–'77; barkentine rig; cruising gunboat; condition good.	60	9 to 10.4	125 0	23 6	10 9 to 10 6	455	2	.....	64-pdr. M. L.	.....
								2	.....	20-pdr. B. L	.....
								or			
								2	5	B. L	.....
								2	4	do	.....
Flamingo, and three others of class.	Composite, 1876–'77; bark rig; gun-vessel; condition good.	100	10.7 to 11	157 0	29 6	12 11 to 13 2	780	1	7	4½-ton M. L	.....
								2	.....	64-pdr. M. L.	.....
Swift	Composite, 1879–'80; barkentine rig; gun-vessel; condition good.	82	11.8	165 0	29 0	10 11	756	2	7	4½-ton M. L	.....
Linnet	do	82	11.8	165 0	29 0	10 11	756	3	....	20-pdr. B. L	.....

* Official estimates.

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foreign ships of war—Continued.

ENGLAND—Continued.

Battery		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivots		90	567	90								
Broadside.												
Pivots		90	722	90								Last three of class have second battery.
Broadside.												
Pivot			400									
Do.												
Broadside.												
Pivot			501									Four have first battery, eight have the second.
Do.												
Broadside.												
On sponsons, 2 on poop, 2 on forecastle.		100	200	100								*Coal protection;* protecting machinery, &c.
Broadside!												
Pivots		20	220	20								Six of class have the first battery.
In chase.												
Pivots		25	150	25								
In chase.												
Pivot		20	219	20								Two of class have the first battery and two have the second.
Do.												
In chase.												
Pivot		50	250	50								
Do.												
In chase.												
Pivot		90	410	90								Four of class have the first battery.
Do.												
Pivot		50	300	50								
Do.												
Pivot		20	169	20								
In chase.												
Pivot			225									
Do.												
Broadside.												
Pivot			200									
Do.												
Pivot		20	169	20								Eight of class have the Cygnet's battery; four the second.
Chase.												
Pivot		25	150	25								
Chase.												
Pivot			295									
Do.												
Pivots		40	270	20								
Chase.												

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ENGLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Gun-vessels and cruising gunboats—Continued.			*Knots.*	*Ft. in.*	*Ft. in.*	*Ft. in.*	*Tons.*		*Inch.*		
Rambler, and two others of class.	Composite, 1880; bark rig; gun-vessel; condition good.	100	10.5 to 11	157 0	29 6	13 7	835	1	7	4½-ton M. L	.....
								2	.....	64-pdr. M. L	.....
Redwing, and nine others of class.	Composite, 1880–'82; barkentine; cruising gunboats; condition good.	60	9.5 to 10	125 0	23 6	10 6 to 11 0	465	....	.....	Same as Cygnet and class.	.....
Dolphin	Composite, 1882; bark rig; gun-vessel; condition good.	110	10.5	157 0	32 0	14 0	925	2	6	B. L	10.5
Wanderer	Composite, 1883; bark rig; gun-vessel; condition good	110	10.5	157 0	32 0	14 0	925	2	5	....do	8.7
Albacore, and two others of class.	Composite, 1883; barkentine; cruising gunboat; condition good.	60	11	135 0	26 0	11 6	560	2	5	....do	8.7
								2	4	....do	6.7
Reindeer, and five others of class.	Composite, 1883–'85; bark rig; gun-vessel; condition good.	100	*11 to *13.5	167 0	32 0	14 0	970	2	5	....do	8.7
								4	5	....do	8.7
										or	
								4	5	....do	8.7
								4	5	....do	8.7
Curlew	Steel; gun and torpedo-vessel; building; cruisers in time of peace.	90	*14	195 0	28 0	11 0	785	1	6	....do	10.5
Landrail		90	*14	195 0	28 0	11 0	785	3	5	....do	8.7
Gunboats for coast and river service.											
Staunch	Iron, 1867; gun mounted in bow on platform, which lowers into hold at sea, and is raised by screws for action; bullet-proof shield; condition good.	25	7.65	75 0	25 0	6 9	180	1	9	12-ton M. L	10.4
Plucky	Iron, 1870; gun mounted in bow on platform, which lowers into hold at sea, and is raised by screws for action; bullet-proof shield; condition good.	25	8.58	80 0	25 1½	6 1	195	1	9	12-ton M. L	10.4
Blazer, and nineteen others of class.	Iron, 1870–'73; gun mounted in bow on platform, which lowers into hold at sea, and is raised by screws for action; bullet-proof shield; condition good.	25	8 to 8.7	85 0	26 1½	6 6	254	1	9.2	B. L	17.3
										or	
								1	10	18-ton M. L	12.8
Medina, and eleven others of class.	Iron, 1876–'77; double-ender; bow rudder; poop and forecastle; 3 light schooner-rig masts; river and harbor service; fair sea boats; condition good.	46	9.3 to 9.9	110 0	34 0	6 0	363	3	.....	64 pdr. M. L	.....
Gadfly, and five others of class.	Iron, 1879–'81; type of Staunch, condition good	25	8.3	85 0	26 1½	6 7	265	1	10	18-ton M. L	12.8
Torpedo vessels.											
Hecla	Iron; torpedo depot and transporting ship; formerly merchant steamer; 4 masts; condition good.	246	11.7	391 7	38 9	24 3	6,400	1	.....	64 pdr. M. L	.....
								4	.....	....do	.....
								1	.....	40 pdr. B. L	.....
Vesuvius	Iron, 1874; torpedo instruction vessel; 1 under-water bow tube; 4 above-water carriages; condition fair.	17	9.7	90 0	22 0	8 6	245	..	†	.....	.....
Scout Fearless	Steel; torpedo cruisers; schooner rig; 10 above-water torpedo tubes; 1 submerged bow tube; steel deck ⅜-inch over machinery; building.	130	*16	220 0	34 0	14 6	1,430	4	5	B. L	8.7
Archer, and six others of class.	Steel; type of Scout; protective deck entire length; 8 above-water torpedo tubes; 1 submerged bow tube; building.	140	*16	225 0	36 0	14 6	1,600	6	6	B. L	10.5

*Official estimate.

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foreign ships of war—Continued.

ENGLAND—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivot			295									
Do.												
Same as Cygnet and class.		20	169	20								Seven have Cygnet's battery; three have second battery.
Pivot		100	300	100								
Do.												
Pivot			150									
Do.												
Pivot		50	200	50								Five have the second battery.
Broadside.												
On sponsons, 2 forward, 2 aft.		100	200	100								
Broadside.												
(†)												Carry 10 Whitehead torpedoes above water, discharging tubes.
(†)												
Trained by helm		258										Gunboats of this type when attached to the "Particular service squadron" were found to have a maximum sea speed of 4 knots. When towed at a speed greater than 8 knots they shipped such quantities of water as to be in danger of foundering.
do		258										Do.
do		320										Do.
do		410										
2 under forecastle, 1 1 under poop.		129	129 or 180	64 90								Do.
		180										
Trained by helm		410										Do.
Pivot	Eight 2d cl.		233									Carries 30 Whiteheads.
Broadside.												
Pivot.												
												Carries 8 Whiteheads.
On sponsons, 2 forward, 2 aft.		100	100	100								*Coal protection;* 5′ to 6′ thick in wake of machinery.
On sponsons, 2 forward, 2 aft, 2 in waist.		200	300	200								*Coal protection;* 5′ to 7′ thick in wake of machinery.

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FRANCE.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught, aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought-iron at muzzle).
Battle ships, armored fleet.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Friedland	Iron, 1873; battle-ship; belt, casemate, and unarmored barbette towers; protective deck 3.15″ thick; ship rig; condition good.	700	13.3	317 6	58 0	29 11	8,916	6	10½	B. L	16.81
								2	10½	do	
								8	5½	do	
Trident	Wood, 1876; similar to Friedland, but no protective deck; ship rig; condition good.	774	14.2	317 9	57 10	29 10	8,814	6	10½	do	16.81
								2	10½	do	
								6	5½	do	
								2	9½	do	13.31
Colbert	Wood, 1875; similar to Friedland, but no protective deck; ship rig; condition good.	702	14.5	317 9	57 10	28 6	8,617	6	10½	do	16.81
								2	10½	do	
								6	5½	do	
								2	9½	do	
Redoutable	Iron and steel, 1876; similar to Friedland; deck 1.6″ to 2.36″ thick; ship rig; condition good.	700	14.7	318 6	64 6	24 10	8,800	4	10½	do	16.81
								2	10½	do	
								2	10½	do	
								6	5½	do	
Dévastation	Iron and steel, 1879; similar to Friedland; deck 2.36″ thick; ship rig; condition good.	600	15.2	311 7	69 8	24 11	9,639	4	13½	47-ton B. L	22.01
								2	10½	B. L	16.81
								6	5½	do	
Foudroyant (now named Courbet).	Iron and steel, 1881; sister ship to Dévastation; ship rig; condition good.	600	14.2	311 7	69 8	24 11	9,609	4	13½	47-ton B. L	22.01
								2	10½	B. L	16.81
								6	5½	Do.	
Richelieu	Wood, 1873; battle-ship; belt, casemate and armored barbette towers; protective deck 4.3″ thick; ship rig; condition good.	750	13.1	322 7	57 10	27 10	8,790	6	10½	do	16.81
								4	9½	do	13.31
								1	9½	do	
								7	5½	do	
								1	4½	do	
Amiral Duperré	Iron and steel, 1879; battle-ship; belt, armored barbette towers; unprotected broadside; protective deck 2.36″ thick; three masts, armored tops; condition good.	850	14.5	319 10	66 11	26 9	10,487	4	13½	47-ton B. L	22.01
								15	5½	B. L	
Amiral Baudin	Iron and steel; sheathed; 1883; same general type as Amiral Duperré; protective deck 3.15″ thick; one mast, armored top; ram; condition good.	500	*15	321 6	69 0	26 0	11,441	8	16½	74-ton B. L	33.47
								12	5½	B. L.	
Formidable	Steel, 1885; sister ship to Amiral Baudin; two masts, armored tops; condition good.	500	*15	321 6	69 0	26 0	11,441	3	16½	74-ton B. L	33.47
								12	5½	B. L.	
Marceau	Iron and steel, 1884; type of Amiral Duperré; protective deck 3.15″ thick; completing.		*16	330 0	65 6	27 3	10,581	2	13½	B. L	22.01
								2	10½	do	16.81
								2	5½	do	
								18	5½	do	
Hoche	Iron and steel; sister ship to Marceau; not launched.		*16	330 0	65 6	27 3	10,581	2	13½	do	22.01
								2	10½	do	16.81
								2	5½	Do.	
								18	5½	Do.	
Magenta	do		*16	330 0	65 6	27 3	10,581	2	13½	do	22.01
								2	10½	do	16.81
								2	5½	Do.	
								18	5½	Do.	
Neptune	do		*16	330 0	65 6	27 3	10,581	2	13½	do	22.01
								2	10½	do	16.81
								2	5½	Do.	
								18	5½	Do.	

* Official estimate.

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foreign ships of war—Continued.

FRANCE.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In casemate		950	2,038	950	Belt entire length; casemate.	Iron	9	8½	....	Wood	25⅝–12⅛	Two barbettes abreast and forward of smoke-pipe, elliptical half towers.
In barbette, ½ towers.												
In broadside.												
In casemate		1,267	2,084	1,267	....do	....do	8⅝	6½	.....	Teak	14⅝–24⅛	Two barbettes abreast smoke-pipe, one on each side.
In barbette towers.												
In broadside.												
1 in bow, 1 stern.												
Same as Trident		1,267	2,084	1,267	Belt entire length; casemate.	Iron	8⅝	6½	.....	Teak	14⅝–24⅛	Two barbettes abreast smoke-pipe, one on each side.
In casemate		2,375	1,613	2,462	.. do	....do	14	10½	....	..do	15	Do.
In barbettes.												
1 in bow, 1 stern.												
In broadside.												
In casemate		2,804	2,467	1,042	Belt stopping 28′ short of stern; redoubt; bulkheads.	.. do	15	8⅝	1½	..do	12⅝	Do.
In barbette.												
In broadside, 2 have stern fire.												
Same as Dévastation		2,804	2,467	1,042	....do	....do	15	8⅝	1½	..do	12⅝	Do.
In casemate		951	2,242	634	Belt entire length; casemate, and 4 barbette ½ towers.	....do	8⅝	7½	.....	Wood	14.7-24.4	Half towers, 6.3″ thick, one on each corner of casemate.
In barbette, ½ towers.												
In bow.												
In broadside.												
Do.												
In barbettes		1,854	3,059	973	Belt entire length; 4 barbette towers.	....do	21.6	10	1.5	..do	14½	Barbettes 11.8″ thick; 1 aft, 1 in waist, 1 each side, forward of smoke-pipe.
In broadside.												
In barbette					Belt entire length; 3 barbette towers.	Steel	21.6	13.75	....	Teak	13⅜	Barbettes 16½′ steel; 2 forward, 1 aft.
In broadside.												
....do					....do	....do	21.6	13.75	....	..do	13⅜	Do.
In barbette; one forward, one aft.		2,001	2,945	1,878	Similar to Amiral Duperré.	Compound	17.75	13.75	.....	..do	13⅜	Barbettes 15¾″ steel; 1 aft, 1 forward, 1 each side in waist.
In barbette; one each side.												
On forecastle.												
In broadside.												
Same as Marceau		2,001	2,945	1,878	....do	....do	17.75	13.75	.....	..do	13⅜	Do.
....do		2,001	2,945	1,878	....do	....do	17.75	13.75	.....	..do	13⅜	Do.
....do		2,001	2,945	1,878	....do	....do	17.75	13.75	.....	..do	13⅜	Do.

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FRANCE—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Battle ships, armored fleet—Continued.			*Knots.*	*Ft. in.*	*Ft. in.*	*Ft. in.*	*Tons.*		*Inch.*		
Charles Martel	Steel; protective deck 3.54″ thick; type not known; not launched.	(?500)	*15	344 6	64 0	26 8	9,780	4	13½	B. L	22.01
								8	5½	....do	.....
Brennus	....do	(?500)	*15	344 6	64 0	26 8	9,780	4	13½	....do	22.01
								8	5½		
Terrible	Iron and steel, 1881; high freeboard barbette battle-ship; one barbette forward, one aft; armored deck 3.15″ thick; two masts, armored tops; intended chiefly for coast defense; ram; completing.	300	14.5	271 7	59 0	24 7	7,184	2	16½	74-ton B. L	33.47
								4	4	B. L	.....
Requin	Iron and steel, 1885; high freeboard barbette battle-ship; one barbette forward, one aft; armored deck 3.15″ thick; two masts, armored tops; intended chiefly for coast defense; ram; completing.	300	*14.5	271 7	59 0	24 7	7,184	2	16½	74-ton B. L	33.47
								4	4	B. L	.....
Indomptable	Iron and steel, 1883; high freeboard barbette battle-ship; one barbette forward, one aft; armored deck 3.15″ thick; two masts, armored tops; intended chiefly for coast defense; ram; completing.	300	*14.5	271 7	59 0	24 7	7,184	2	16½	....do	33.47
								4	4	....do	.....
Caiman	Iron and steel, 1885; high freeboard barbette battle-ship; one barbette forward, one aft; armored deck 3.15″ thick; two masts, armored tops; intended chiefly for coast defense; ram; completing.	300	*14.5	278 2	59 0	24 7	7,239	2	16½	.. do	33.47
								4	4	....do	.....
Turret, coast-defense ships.											
Tonnerre	Iron and steel, 1875; mastless turret battle-ship; armored breastwork, surmounted by unarmored superstructure; armored deck 2″ thick; ram; condition good.	190	14	241 6	57 9	21 4	5,580	2	10⅝	23-ton B. L	16.81
								4	4½	B. L	.....
Fulminante	Iron and steel, 1877; mastless turret battle-ship; armored breastwork, surmounted by unarmored superstructure; armored deck 2″ thick; ram; condition good.	190	13 2	248 0	57 8	21 4	5,584	2	10⅝	23-ton B. L	16.81
								4	4½	B. L	.....
Furieux	Iron and steel, 1883; mastless turret battle-ship; armored breastwork, surmounted by unarmored superstructure; armored deck 3.15″ to 3.54″ thick; ram; condition good.	163	*13	246 0	58 4	21 4	5,695	2	13½	....do	22.01
Tempête	Iron and steel, 1876; type of Tonnerre, but smaller, for local coast defense; armored deck 2″ thick; ram; condition good.	163	12 8	241 6	57 9	16 9	4,523	2	10⅝	....do	16.81
Vengeur	Iron, 1878; type of Tonnerre, but smaller, for local coast defense; armored deck 2″ thick; ram; condition good.	163	13.75	241 6	57 9	16 9	4,523	2	10⅝	....do	16.81
Tonnant	Iron and steel, 1880; type of Tonnerre, but smaller, for local coast defense; armored deck 3.15″ thick; ram; condition good.	163	12.8	241 6	57 9	16 9	4,523	2	10⅝	... do	16.81
Tigre	Wood, 1871; mastless single turret; low freeboard, coast-defense vessel; iron turtle back; ram; condition poor.	150	12	216 6	53 1	19 7	3,703	2	9½	....do	13.31
Bouledogue	Wood, 1872; mastless single turret; low freeboard; coast-defense vessel; iron turtle back; ram; condition poor.	150	12	216 6	53 1	19 7	3,703	2	9½	...do	13.31
Armored cruisers.											
La Galissonnière	Wood, 1872; cruiser; casemate and armored barbette towers; ship rig; ram; condition good.	346	13	255 10	49 2	23 10	4,487	4	9½	....do	13.31
								2	9½	....do	.....
								6	3½	....do	.....
Victorieuse	Wood, 1875; similar type; condition good	367	12.75	258 2	48 9	22 8	4,504	4	9½	....do	13.31
								2	9½	....do	.....
								1	7½	....do	7.95
								6	5½	....do	.....
Triomphante	Wood, 1877; similar type; protective deck 2″ thick; condition good.	367	12.9	258 2	48 9	22 8	4,127	4	9½	....do	13.31
								2	9½	....do	.....
								1	7½	....do	7.95
								6	5½	....do	.....
								1	4.7	....do	.....
Thétis	Wood, 1877; similar type, but smaller; deck 2″ thick; condition good.	313	12	230 0	46 4	21 10	3,621	4	7½	....do	7.95
								2	7½	....do	.....
								6	3½	....do	.....

* Official estimates.

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foreign ships of war—Continued.

FRANCE—Continued.

Battery. Position and mounting.	Torpedo boats.	Weight of fire. Ahead.	Broadside.	Astern.	Armor. Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Backing. Material.	Thickness.	Remarks.
							In.	*In.*	*In.*		*In.*	
In barbette						Steel	17.3	17.3				Barbettes 15½" steel.
In broadside (†).												
Same as Charles Martel.						do	17.3	17.3				Do.
In barbettes On hurricane deck.		1,716	3,432	1,716	Belt entire length; breastworks; two barbettes.	Compound	19⅝	14½	1½	do	21½–15½	Barbettes 24.4"; compound. *Coal protection*, boilers and engines protected by coal-bunkers; arc of fire 135° on either side.
In barbettes On hurricane deck.		1,716	3,432	1,716	Belt entire length; breastworks; two barbettes.	Compound	19⅝	14½	1½	Teak	26½–15½	Barbettes, 24.4"; compound. *Coal protection*, boilers and engines protected by coal-bunkers; arc of fire 135° on either side.
In barbettes On hurricane deck.		1,716	3,432	1,716	do	do	19⅝	14½	1½	do	21½–15½	Do.
In barbettes On hurricane deck.		1,716	3,432	1,716	do	Steel	19⅝	13.8	1½	do	21½–15½	Do.
In turret On hurricane deck.		952	1,032	80	Belt entire length; breastworks; one turret.	Iron	14½	9⅞	1½	Wood	21½–15½	Turret in forward end of breastwork, 11.8"; iron; arc of fire 135° on each side.
In turret On hurricane deck.		952	1,032	80	do	do	14½	9⅞	1½	do	21½–15½	Do.
In turret		1,852	1,852		do	do	19⅝	12⅝	1½	do	21½–15½	Turret in forward end of breastwork, 17.7"; steel; arc of fire 135° on each side.
do		952	952	952	Belt entire length; breastwork; one turret.	do	13	9⅝	1½	Teak	15½	Turret in forward end of breastwork, 11½" thick; guns have all-around fire.
do		952	952	952	do	do	13	9⅝	1½	do	15½	Turret in forward end of breastwork, 13½" thick; guns have all-around fire.
do		952	952	952	do	do	17⅞	13⅞		do	15½	Turret in forward end of breastwork, 14⅝" thick; guns have all-arnund fire.
In turret		634	634		Belt complete; one turret.	Iron	8.6	8.6		do	31½	Turret in forward end of turtle back; 7⅞" thick; iron.
do		634	634		do	do	8.6	8.6		do	31½	Do.
In casemate In barbette. In broadside.		634	1,030	634	Belt entire length; casemate and 2 barbettes.	Iron	5⅞	4½		Wood	26–22½	Barbettes are forward of smoke-pipe, one each side, 7.9" thick.
In casemate In barbette. In bow. In broadside.		799	1,135	634	do	do	5⅞	4½		do	26–22½	Barbettes are forward of smoke-pipe, one each side, 4.7" thick.
In casemate In barbette. In bow. In broadside. In stern.		799	1,135	674	do	do	5⅞	4½		do	26–22½	Barbettes are forward of smoke-pipe, one each side, 7.9" thick.
In casemate In barbette. In broadside.		330	564	330	do	do	5⅞	4½		do	26–22½	Do.

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FRANCE—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimension.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle.)
Armored cruisers—Con'd.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Turenne	Wood, 1879; cruiser; belt; armored barbette towers; unprotected broadside; deck 2″ thick; ship rig; ram; condition good.	450	14.1	265 2	57 2	24 10	5,881	4	9½	B. L	13.31
								1	7½	do	7.95
								1	7½	do	
								6	5½	do	
Bayard	Wood, 1880; sister ship; condition good	450	14.1	265 9	57 2	24 10	5,881	4	9½	do	13.31
								1	7½	do	7.95
								1	7½	Do.	
								6	5½	Do.	
Dugueselin	Iron; sheathed; 1883; similar type to Turenne; deck 2″ thick; condition good.	450	14	265 8	57 2	25 3	5,869	4	9½	do	13.31
								1	7½	do	7.95
								1	4.7/6	Do.	
								6	5½	Do.	
Vauban	Iron; sheathed; 1883; sister ship to Dugueselin; ram; condition good.	450	14	265 8	57 2	25 3	5,869	4	9½	do	13.31
								1	7½	do	7.95
								1	4.7		
								6	5½		
Armored gun-vessels.											
Achéron	Steel, 1885; armored gun-vessel; one signal mast; guns protected from machine-gun fire; one barbette forward; ram; condition good.	.....	*13	181 0	39 4	11 10	1,639	1	10.63	do	16.26
								2	3.94	do	
Cocyte	Building; sister vessel to Achéron	.....	*13	181 0	39 4	11 10	1,639	1	10.63	do	
								2	3.94	Do.	
Phlégéton	do	.....	*13	181 0	39 4	11 10	1,639	1	10.63	do	
								2	3.94	Do.	
Styx	do	.....	*13	181 0	39 4	11 10	1,639	1	10.63	do	
								2	3.94	Do.	
Fusée	Steel, 1884; similar type, but smaller; ram; condition good.	.....	*13	165 0	32 7	10 4	1,045	1	10.63	do	16.26
								1	3.54	do	
Grenade	1885; sister vessel to Fusée	.....	*13	165 0	32 7	10 4	1,045	1	10.63	do	
								1	3.54	Do.	
Mitraille	do	.....	*13	165 0	32 7	10 4	1,045	1	10.63	do	
								1	3.54	Do.	
Flamme	do	.....	*13	165 0	32 7	10 4	1,045	1	10.63	do	
								1	3.54	Do.	
Unarmored cruisers above 4,000 tons displacement.											
Tourville	Iron; sheathed; 1876; new type; 1st class cruiser; ship rig; ram; condition good.	550	16.89	326 8	50 0	25 3	5,522	14	5½	do	7.95
								7	7½	do	
Duquesne	Iron; sheathed; 1876; sister ship; ram; condition good.	550	16.89	326 8	50 0	25 3	5,522	14	5½	do	
								7	7½	Do.	
Sfax	Steel, 1884; new type; 1st-class cruiser; ship rig; protective deck, 1½″ steel; ram; condition good.	.....	16.5	288 8	49 2	24 8	4,488	6	6.3	do	8.31
								10	5.51	do	
Cruisers between 2,000 tons and 4,000 tons.											
La Pérouse	Wood, 1877; new type; 2d-class cruiser; ship rig; condition good.	264	14.73	262 6	37 5	18 8	2,257	3	5.51	do	
								12	5.51	do	
Neilly	Wood, 1880; condition good	264	15.5	262 6	37 5	18 8	2,257	3	5.51	do	
								12	5.51	Do.	
Primauguet	Wood, 1882; condition good	264	15.4	262 6	37 5	18 8	2,257	3	5.51	do	
								12	5.51	Do.	
D'Estaing	Wood, 1879; condition good	264	15.3	262 6	37 5	18 8	2,257	3	5.51	do	
								12	5.51	Do.	

Official estimate.

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foreign ships of war—Continued.

FRANCE—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In barbette		799	1,135	317	Belt entire length; 4 barbette towers.	do	9½	6½		Teak	15	Barbettes similar to Amiral Duperré, 7.9″ thick.
In bow.												
In stern.												
In broadside.												
Same as Turenne		799	1,135	317	do	do	9½	6½		do	15	Do.
do		799	1,089	317	do	Iron	9½	6½	1½	Teak	15	Similar to Amiral Duperré, barbettes, 8″ thick.
do		799	1,089	317	do	do	9½	6½	1½	do	15	Do.
In barbette tower forward.		525	500	50	Belt complete and barbette tower.		9.5					Barbette armor 4″.
In sponsons.												
do		525	500	50	do		9.5					Do.
do		525	500	50	do		9.5					Do.
do		525	500	50	do		9.5					Do.
In barbette tower forward.		475	495	20	Belt complete and barbette tower.		9.45	7.1				Do.
Aft.												
do		475	495	20	do		9.45	7.1				Do.
do		475	495	20	do		9.45	7.1				Do.
do		475	495	20	do		9.45	7.1				Do.
In broadside, gun-deck		495	925	330								
On spar-deck, three each side in sponsons, one in bow.												
Same as Tourville		495	925	330								
On spar-deck, four on sponsons.		396	605	198								*Coal protection*; between protective deck and deck above.
On gun-deck, in broadside.												
Pivots, two bow, one stern.		123	492	61.6								
Broadside.												
Same as La Pérouse		123	492	61.6								
do		123	492	61.6								
do		123	492	61.6								

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FRANCE—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Powers (inches of wrought iron at muzzle).
Cruisers between 2,000 tons and 4,000 tons—Cont'd.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Forfait	Wood, 1879; new type; 2d-class cruiser; ship rig; ram; condition good.	263	15.5	240 4	38 0	17 3	2,268	3	5.51	B. L	
								12	5.51	do.	
Villars	Wood, 1879; condition good	263	14.3	249 4	38 0	17 3	2,268	3	5.51	do	
								12	5.51	do.	
Roland	Wood, 1882; condition good	263	15.5	249 4	38 0	17 3	2,268	3	5.51	do	
								12	5.51	do.	
Magon	Wood, 1881; condition good	263	14.35	249 4	38 0	17 3	2,268	3	5.51	do	
								12	5.51	do.	
Duguay-Trouin	Iron, 1879; iron hull, sheathed with teak; new type cruiser; ship rig; condition good.	311	15.9	290 0	42 8	20 6	3,289	5	7.48	do	7.95
								1	5.51	do	
								4	5.51	do	
Iphigénie	Wood, 1881; new type; 2d-class cruiser; ship rig; ram; condition good.		15	240 0	46 7	22 4	3,192	2	6.3	do	8.31
								18	5.51	do	
Naïde	do	445	13.68	244 4	46 5	23 0	3,284	2	6.3	do	8.31
								2	5.51	do	
								16	5.51	do	
Aréthuse	Wood, 1882; new type; 2d-class cruiser; ship rig; ram; condition good.		16	277 6	43 6	21 7	3,356	4	6.3	do	8.31
								23	5.51	do	
Dubordieu	Wood, 1884; new type; 2d-class cruiser; ship rig; ram; condition good.	450	14.5	253 6	46 6	22 8	3,355	4	6.3	do	8.31
								22	5.51	do	
Unarmored cruisers between 2,000 tons and 1,000 tons.											
Champlain	Wood, 1872; old type cruiser; double ender; flush deck; bark rig; condition good.	208	14.3	250 0	35 10	18 9	1,940	1	6.3	do	
								1	5.51	do	
								8	5.51	do	
Du-Petit-Thouars	Wood, 1874; old type cruiser; double ender; flush deck; bark rig; condition good.	206	15	262 4	35 9	18 8	1,962	2	5.51	do	
								8	5.51	do	
Sané	Wood, 1870; old type cruiser; bark rig; condition good.	202	15	256 0	36 1	18 4	1,915	6	5.51	do	
Seignelay	Wood, 1874; sister ship; condition good	202	15	256 0	36 1	18 4	1,915	2	5.51	do	
								6	5.51	do	
Vaudreuil	Wood, 1870; old type cruiser; third class; bark rig; condition good.	156	10.77	204 8	34 1	16 1	1,244	6	5.51	do	
Beautemps Beaupré	Wood, 1872; old type cruiser; third class; bark rig; condition good.	154	12.6	204 8	34 1	15 6	1,255	1	6.3	do	
								5	5.51	do	
Duchaffaut	do	154	12.7	204 8	34 1	15 6	1,262	6	5.51	do	
Hugon	do	155	11.7	204 8	34 1	15 11	1,262	1	6.3	do	
								5	5.51		
Kerguelen	do	155	12.7	204 8	34 1	15 11	1,262	2	5.51	do	
								4	5.51	do	
La Clocheterie	Wood, 1872; cruiser; double ender; flush deck; bark; condition good.	210	13.7	262 4	35 9	18 8	1,994	12	5.51	do	
Fabert	Wood, 1874; cruiser; third class; bark rig; condition good.	218	14.9	256 0	36 1	18 4	1,927	2	5.51	do	
								6	5.51	do	
Rigault de Genouilly	Wood and iron, 1876; cruiser; third class; new type; bark; ram; condition good.	138	14.5	236 2	35 5	17 1	1,643	2	5.51	do	
								6	5.51	do	
Éclaireur	Wood and iron, 1877; cruiser; third class; new type; bark; ram; condition good.	195	15	236 6	35 5	17 0	1,658	2	5.51	do	
								6	5.51	Do.	

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foreign ships of war—Continued.

FRANCE—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Same as La Pérouse		123	492	61.6								
do		123	492	61.6								
do		123	492	61.6								
do		123	492	61.6								
One in bow, four on sponsons.		495	511.5	391.5								
In stern.												
Broadside.												
On spar deck		198	653	198								
Broadside gun deck.												
On spar deck		198	715	123								
Do.												
Broadside, gun deck.												
Spar deck, on sponsons		258 (?)	975.6	198								
Broadside, gun deck.												
Spar deck, on sponsons		198	875.6	198								
Broadside, gun deck.												
In bow		100	246	61.5								
In stern.												
Broadside.												
One bow; one stern		61.5	369.6	61.5								
Broadside.												
(?)			(?)									
One bow; one stern		61.5	308	61.6								
Broadside.												
(?)			(?)									
Pivot												
(?)			(?)									
(?)			(?)									
(?)			(?)									
Pivots, one forward t. g. forecastle, one on quarter deck.			(?)									
Broadside.												
Ten broadside; two pivots, one forward, one aft.			431									
Two pivots, one forward, one aft.		61.6	308	61.6								
Broadside.												
Pivots, one t. g. f. c., one on poop.		61.6	308	61.6								
Broadside.												
Same as Rigault de Genouilly.		61.6	308	61.6								

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FRANCE—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers between 2,000 tons and 1,000 tons—Cont'd.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Milan	Steel, 1884; new type; rapid torpedo cruiser; three light fore and aft rigged masts; ram; condition good.	.....	18.4	303 0	32 10	12 9	1,546	5	3.94	B. L	.....
Unarmored gun-vessels and cruising gunboats.											
Crocodile	Composite, 1874; cruising gunboat; bark rig; ram; condition good.	60	9.65	141 9	23 11	9 4	466	2	5.51	....do	.....
Lionne	Wood, 1874; cruising gunboat; bark rig; ram; condition good.	60	9.8	141 8	23 11	9 6	464	1	5.51	....do	.....
								2	1.57		
Boursaint	Wood, 1872; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	88	11.5	198 6	28 0	12 8	763	2	5.51	....do	.....
								1	6.3	....do	.....
Bisson	Wood, 1874; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	106	11.78	199 6	28 5	12 9	823	4	5.51	....do	.....
La Bourdonnais	Wood, 1877; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	105	11.69	199 6	28 5	12 9	823	4	5.51	....do	.....
Chasseur	Wood, 1878; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	106	11	199 6	28 5	12 9	811	4	5.51	....do	.....
Voltigeur	....do	106	12.48	199 6	28 5	12 9	811	4	5.51	....do	.....
Inconstant	Wood; gun-vessel; bark rig; stump top-gallant masts; ram; building.	106	.....	199 6	28 5	12 9	811	4	5.51	....do	.....
Papin	....do	106	.....	199 6	28 5	12 9	811	4	5.51	....do	.....
Fulton	....do	106	.....	199 6	28 5	12 9	811	4	5.51	....do	.....
Hussard	Wood, 1875; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	107	12	201 10	28 6	13 8	825	4	5.51	....do	.....
Dumont d'Urville	Wood, 1878; gun-vessel; bark rig; stump top-gallant masts; ram; condition good.	108	11.6	201 10	28 6	13 8	825	4	5.51	....do	.....
Bouvet	Wood, 1876; gun-vessel; bark rig; ram; condition good.	105	11.39	197 7	28 1	12 10	748	3	5.51	....do	.....
								1	3.54	....do	.....
Parseval	Wood, 1879; gun-vessel; bark rig; ram; condition good.	105	12.33	197 7	28 1	12 10	748	3	5.51	....do	.....
								1	3.54	Do.	
Lutin	Composite, 1877; cruising gunboat; barkentine rig; ram; condition good.	78	10	144 8	23 11	9 4	474	2	5.51	.....	.....
								2	3.94	.....	.....
Lynx	Composite, 1878; cruising gunboat; barkentine rig; ram; condition good.	78	10.3	144 8	23 11	9 4	474	2	5.51	.....	.....
								2	3.94		
Aspic	Composite, 1880; cruising gunboat; barkentine rig; condition good.	77	10.3	145 4	23 11	9 10	463	2	5.51	.....	.....
								2	3.94		
Vipère	Composite, 1881; cruising gunboat; barkentine rig; condition good.	77	10.3	145 4	23 11	9 10	463	2	5.51	.....	.....
								2	3.94		
Volage	Wood, 1881; cruising gunboat; barkentine rig; condition good.	78	10.76	160 5	28 2	11 8	422	2	7.48	B. L	7.95
Sagittaire	....do	77	11	148 4	23 11	9 6	450	2	5.51	....do	.....
								2	3.94	....do	.....
Capricorne	Wood, 1882; cruising gunboat; barkentine rig; condition good.	77	11.2	148 4	23 11	9 6	450	2	5.51	....do	.....
								2	3.94		
Comète	Wood, 1884; cruising gunboat; barkentine rig; condition good.	77	11	151 6	24 9	10 6	473	2	5.51	....do	.....
								2	3.94		
Gabes	....do	77	11	151 6	24 9	10 6	473	2	5.51	....do	.....
								2	3.94		
Lion	....do	77	11	151 6	24 9	10 6	473	2	5.51	....do	.....
								2	3.94		
Scorpion	....do	77	11	151 6	24 9	10 6	473	2	5.51	....do	.....
								2	3.94		
Météore	Wood, 1884; cruising gunboat; barkentine rig; building.	77	11	151 6	24 9	10 6	473	2	5.51	....do	.....
								2	3.94		
Étoile	Composite; building	.....	.....	149 2	24 7	8 4	448	.....	.....	.....	.....

*Official estimates.

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foreign ships of war—Continued.

FRANCE—Continued.

Battery.	Torpedo boats.	Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.		Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
One bow; one stern; three shifting broadside.		25	125	25								
(?)			123									
(?)			61.6									
Pivots		61.6	222									
Pivot in bow.												
One bow; one stern; two pivots.		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
....do		61.6	246.4	61.6								
Pivots, one on poop		20	204	61.6								
Pivot on top-gallant forecastle.												
....do		61.6	204	20								
Pivots, amidships		25	173	25								
One on top-gallant forecastle, one on poop.												
....do		25	173	25								
....do		25	173	25								
....do		25	173	25								
Pivots			330									
Pivots, amidships		25	173	25								
Pivots, one on top-gallant forecastle, one on poop.												
Same as Sagittaire		25	173	25								
....do		25	173	25								
....do		25	173	25								
....do		25	173	25								
....do		25	173	25								
....do		25	173	25								

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FRANCE—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Special river service gunboats.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Alerte and seven others of class.	Steel, 1883–'84; double enders; screw; built in France for service in rivers of Tonquin; sent out in sections; condition good.	.....	9 to 8.5	98 to 105	19 0	4 0	.....	3	3.54	B. L	.....
Torpedo cruisers.											
Condor	Steel, 1885; three light fore and aft rigged pole masts; five torpedo launching tubes, two ahead, one astern, one each beam; ram; condition good.	.....	*17	216 0	29 2	15 5	1,272	5	3.94	....do	.....
Epervier	Building; sister vessel to Condor	.....	*17	216 0	29 2	15 5	1,272	5	3.94	....do	.....
Faucon	.....do	.....	*17	216 0	29 2	15 5	1,272	5	3.94	....do	.....
Vautour	..... do	.....	*17	216 0	29 2	15 5	1,272	5	3.94	....do	.....
Torpedo dispatch vessels.											
Bombe	Steel, 1885; three light fore and aft rigged pole masts; two torpedo launching tubes ahead; ram; condition good.	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Couleuvrine	Building; sister vessel to Bombe	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Dague	.....do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Dragonne	.....do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Flèche	.....do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Lance	.....do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Sainte-Barbe	..... do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....
Salve	.....do	.....	*18	180 0	21 6	6 0	321	2	4.72	....do	.....

ITALY.

Armored battle-ships.											
Duilio	Iron and steel, 1876; battle-ship; two turrets; unarmored ends; protective deck, 2″ thick; one mast with military top; belt 147′ long, surmounted by citadel 108′ long; athwart-ship bulkheads; condition good.	406	15.04	339 6	64 9	28	11,438	4	17.72	100-ton M. L	31.69
								6	4.72		
Dandolo	Iron and steel, 1878; similar type to Duilio; ram; condition good.	406	15.05	339 6	64 9	28 9	11,225	4	17.72	... do	31.69
								6	4.72		
Italia	Steel, 1880; battle ship; one large elliptical barbette redoubt; six smoke-pipes; light guns unprotected; protective deck, 3″ thick; two masts with military tops; no armor on sides at water-line; ram; condition good.	431	*17	400	73 9	30 6	13,898	4	16.93	100-ton B. L....	34.8
								12	6	B. L	7.87
								6	....	Light guns	.....
Lepanto	Steel, 1883; battle-ship; one large elliptical barbette redoubt; six smoke-pipes; light guns unprotected; protective deck, 3″ thick; two masts with military tops; no armor on sides at water-line; ram; condition good.	431	*16	400	73 9	30 6	13,550	4	16.93	100-ton B. L.....	34.8
								10	6	B. L	7.87
								6	.....	Light guns.	
Andrea Doria.....	Steel; sister ship to Italia; building	431	.....	400	73 9	30 6	13,550	4	16.93	100-ton B. L.....	34.8
								12	6	B. L	7.87
								6	.....	Light guns.	
Ruggiero di Lauria	Steel, 1884; similar type to Italia; condition good	.....	*16	328	64 11	29 8	10,045	4	16.93	100-ton B. L....	34.8
								12	6	B. L	7.87
								6	.....	Light guns.	
Francesco Morosini....	Steel, 1885; similar type to Italia	.....	.....	328	64 11	29 8	10,045	4	16.93	100-ton B. L.....	34.8
								12	6	B. L	7.87
								6	.....	Light guns.	
Ré Umberto	Steel; type of Italia; building	.....	.....	400	73 9	*28 11	13,251	...	.....	.....	.....
Sicilia	.....do	.....	.....	400	73 9	*28 11	13,251	....	.....	.....	.....

*Official estimates.

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foreign ships of war—Continued.

FRANCE—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
(?)		(?)	60	(?)								
(?)			(?)									
On sponsons, one each side.		80	40	80								

ITALY.

In revolving turrets placed in diagonally opposite corners of armored citadel.		6,022	8,030	6,022	Belt 147′ long, surmounted by citadel 108′ long; thwartship bulkheads 15.75″ thick; two turrets.	Steel	21.67	17.72		Wood	23.62 to 19.68	Turrets 17.72″ thick.
do	Four	6,022	8,030	6,022	do	do	21.67	17.72		do	23.62 to 19.68	Do.
In barbette, in pairs, in diagonally opposite corners of elliptical citadel. On main deck, in broadside. Maximum elevation obtainable, 12°. On hurricane deck, one ahead, one astern; two each broadside.	Two 2d cl.	8,070	8,466	8,070	Citadel; elliptical, 98′ long; 46′ wide; ammunition tubes, 9′ diameter.	Compound	18.87	18.87		do	19	Sides of citadel slope at angle of 25°; 7′ 6″ high.
Same as Italia		8,070	8,400	8,070	do	Steel	18.87	18.87		do	19	Do.
do		8,070	8,466	8,070	do	do	17.72					Do.
do		8,070	8,466	8,070	do	do	17.72					Do.
do		8,070	8,466	8,070	do	do	17.72					Do.
						do	29.5	18.5				
						do	29.5	18.5				

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ITALY—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored battle ships—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Palestro	Composite, 1871; old type battle-ship; belt and two redoubts; ship rig; ram; condition good.	523	12.9	259 2	55 9	25 5	6,161	1	11	25-ton M. L	12.72
								6	10	18-ton M. L	12.13
								6	.....	Light guns.	
Principe Amadeo	Composite, 1872; old type battle-ship; belt and two redoubts; ship rig; ram; condition good.	523	12.4	259 2	55 9	25 5	6,406	1	11	25-ton M. L	12.72
								6	10	18-ton M. L	12.13
								6	.....	Light guns.	
Protected cruisers.											
Giovanni Bausan	Steel, 1884; new type protected cruiser; protective deck, 1½", steel; two masts; military tops; one torpedo tube in bow under water; one each side bow above water; improved Esmeralda type; condition good.	.....	17.5	276 6	42 0	18 6	3,068	2	10	Armstrong B. L.	20
								6	6	....do	7.87
Vesuvio	Steel, 1885; similar type; condition good	.....	*17	283 5	43 4	19	3,530	2	10	25-ton Armstrong B. L.	20
								8	6	B. L	7.87
Stromboli	.....do	.....	*17	283 5	43 4	19 4	3,530	2	10	....do	20
								8	6	....do	7.87
Etna	Steel, 1885; similar type; building	.....	*17	283 5	43 4	19 4	3,530	2	10	....do	20
								8	6	....do	7.87
Tripoli	.....do	.....	*17	283 5	43 4	19 4	3,530	2	10	....do	20
								8	6	....do	7.87
Grito	.....do	.....	*17	283 5	43 4	19 4	3,530	2	10	....do	20
								8	6	....do	7.87
Unarmored cruisers between 2,000 tons and 4,000 tons.											
Cristoforo Colombo	Wood, 1875; cruiser, 2d class; barkentine rig; condition, good.	207	16.3	248 6	37 0	16 8	2,362	8	4.72	Armstrong B. L.	.....
Flavio Gioia	Steel, 1881; cruiser, 2d class; bark rig; $\frac{1}{10}$" steel protective deck; condition good.	300	15.5	255 11	41 10	21 6	2,533	8	6	... do	.....
								1	3	....do	.....
								2	3	....do	.....
Amerigo Vespucci	Steel, 1882; cruiser, 2d class; bark rig; $\frac{1}{10}$" steel protective deck; condition good.	300	15	255 11	41 10	21 6	2,533	8	6	....do	.....
								1	3	Do.	
								2	3	Do.	
Savoia	Steel, 1883; fitted as royal yacht; can be armed as the others in war time; condition good.	.....	17	275 7	42	17	2,850	8	6	... do	.....
								1	3	Do.	
								2	3	Do.	
Cruisers between 2,000 tons and 1,000 tons.											
Scilla	Wood, 1874; old type, 3d class cruiser; bark rig; condition good.	136	10.9	178 6	28 3	12 6	1,050	1	6.3	B. L	6.4
								2	4.72	....do	
Cariddi	Wood, 1875; old type, 3d class cruiser; bark rig; condition good.	136	10.5	178 6	28 3	12 6	1,050	1	6.3	... do	6.4
								2	4.72	... do	.....
Staffetta	Iron, 1876; new type cruiser, 3d class; barkentine rig; whale-back forecastle; one submerged bow torpedo tube; condition good.	144	15.12	252 9	31 0	15 5	1,505	4	4	....do	.....
Rapido	.....do	144	13.5	262 5	30 6	12 8	1,456	5	3	... do	.....
Gun-vessels and gunboats.											
Guardiano	Iron, 1874; gun-boat; coast defense; condition good...	48	9.2	100 0	27 3	5 11	265	1	8.5	M. L	9.92
Sentinella	.....do	48	8.58	100 0	27 3	5 11	265	1	8.5	....do	9.92

*Official estimates.

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foreign ships of war—Continued.

ITALY—Continued.

Battery.		Weight of fire.			Armor.					Backing.		
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	Remarks.
							In.	*In.*	*In.*		*In.*	
On spar-deck, in forcastle; bow fire.	.....	1,310	1,073	782	Belt complete; two casemates, one forward, one aft.	Iron.....	8½	6	.....	Wood.	24½	
On main deck, in two redoubts; two in forward have bow and beam fire; four in after, two of them stern fire.												
Same as Palestro	.....	1,310	1,073	782	.....	.....	.....	.....	.....	.....	.....	
Pivots, one forward, one aft.	.....	528	1,254	528	.....	.....	.....	.....	.....	.....	.....	Built in England.
Broadside												
Same as Giovanni Bausan.	.....	530	1,324	530	.....	.....	.....	.....	.....	.....	.....	Built at Leghorn.
.....do	.....	530	1,324	530	.....	.....	.....	.....	.....	.....	.....	Built at Venice.
.....do	.....	530	1,324	530	.....	.....	.....	.....	.....	.....	.....	Building at Castellamare.
.....do	.....	530	1,324	530	.....	.....	.....	.....	.....	.....	.....	
.....do	.....	530	1,324	530	.....	.....	.....	.....	.....	.....	.....	
(?)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Broadside.....	.....	(?)	330	10	.....	.....	.....	.....	.....	.....	.....	
Pivot, on poop.												
In waist, broadside.												
Same as Flavio Gioia..	.....	.....	330	10	.....	.....	.....	.....	.....	.....	.....	
..... do.....	.....	.....	330	10	.....	.....	.....	.....	.....	.....	.....	
Pivot	.....	101	163	(?)	.....	.....	.....	.....	.....	.....	.....	
Pivots.												
.....do	.....	101	163	(?)	.....	.....	.....	.....	.....	.....	.....	
do.												
(?)	.....	.....	(?)	.....	.....	.....	.....	.....	.....	.....	.....	
(?)	.....	.....	(?)	.....	.....	.....	.....	.....	.....	.....	.....	
Pivot forward	.....	248	248	.....	.....	.....	.....	.....	.....	.....	.....	
.....do	.....	248	248	.....	.....	.....	.....	.....	.....	.....	.....	

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ITALY—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type	Power (inches of wrought iron at muzzle).
Gun-vessels and gunboats—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
A. Barberigo	Steel, 1879; gun-vessel, two-masted; schooner rig; condition good.	104	15.9	216 6	24 5	10 3	660	2	4.72	B. L	
								5	3	do	
M. A. Colonna	do	104	15.9	216 6	24 5	10 3	660	2	4.72	do	
								5	3	do	
S. Veneiro	Steel, 1884; gun-vessel, bark rig; condition good	83	*18	168 10	26 2	10 2	649	6	4.72	do	
A. Provana	do	83	*18	168 10	26 2	10 2	649	6	4.72	do	
Torpedo vessels.											
Vulcano		41					276				
Volta											
Falgore	Sea-going torpedo dispatch vessel	83					317				
Saetta	do	83					317				
Pietro Micca	Iron, 1876; condition good	41	7	203 0	19 8	11 9	535				

RUSSIA.

[NOTE.—All data on Russian ships are uncertain, and many of the data obtained have been contradictory.]

Armored ships.											
Peter Velikij (Peter the Great).	Iron, 1872; battle-ship; belt; breastwork; two turrets; unarmored superstructure between turrets; mastless; protective deck, 3″ thick; condition good.	315	13.2	322 10	63 2	24 9	9,665	4	12	B. L	15.95
								6	5.5	do	
								2	9	Mortars.	
Admiral Nakimoff	Iron and steel; battle-ship and cruiser; full rig; armored barbettes; belt; unprotected broadside; protective deck, 2″ thick; building.		*16	333	61 0	25 9	7,780	4	11	B. L	11.97
								10	6	do	5.47
Alexander II	Steel; battle-ship and cruiser; full rig; armored barbettes; belt; unprotected broadside; protective deck, 2″ thick; building.		*16	333	61 0	25 9	7,780	4	11	B. L	11.97
								10	6	do	5.47
Catherine II	Steel and iron; battle-ship; deck 3″ thick; building	500	*16	320	69 0	25 0	10,800	6	12	do	15.95
								1	6	do	5.47
								6	6	do	5.47
Sinope	do		*16	314	68 11	25 0	10,800	6	12	do	15.95
								1	6	do	5.47
								6	6	do	5.47
Tcheseme	Steel and iron; sister ship to "Sinope"; building		*16	314	68 11	25 0	10,800	6	12	do	15.95
								1	6	do	5.47
								6	6	do	5.47
Not named	Steel and iron; battle-ship; type of German "Sachren"; building.			352 0	67 0	23 0	8,632	2	9	do	9.17
								4	8	do	8.03
								8	6	do	5.47
General Admiral	Iron and wood, 1873; cruiser; belt; low rectangular redoubt, over which the guns, mounted in barbette, fire; ship rig; condition good.	457	14	281 4	47 11	23 0	4,602	4	8	do	8.03
								2	6	do	5.47
								4	4		
								1	6	Mortar.	
Herzog Edinburgh (Duke of Edinburgh).	Iron and wood, 1875; sister ship to General Admiral; condition good.	457	14	281 4	47 11	23 0	4,602	10	6	B. L	5.47
								4	4	Do.	

* Official estimate.

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foreign ships of war—Continued.

ITALY—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
(?)			(?)									
(?)												
(?)			(?)									
(?)												
(?)			(?)									
(?)			(?)									

RUSSIA.

[NOTE.—The weights of projectiles of guns below 6″ caliber are not known, causing some uncertainty in the weights of fire.]

In turrets		1,297	12,594	1,297	Belt entire length; breastwork 160′ long; two turrets, one forward, one aft.	Iron (sandwich).	14	8	3	Teak..	14.10	Built to cope with English "Devastation"; turret armor 17′ iron.
On superstructure.												
In barbettes		1,482	1,962	1,482	Belt and 4 barbettes, one forward, one aft, one each side in waist.	Compound	14					Type of "Impérieuse"; barbette armor, 13.8″; compound.
In broadside.												
In barbettes		1,482	1,962	1,482	Belt and 4 barbettes, one forward, one aft, one each side in waist.	Compound	6					Type of English "Impérieuse" barbette armor, 13.8″; compound
In broadside.												
In barbettes		(?)	(?)	(?)	Belt; 3 barbettes; casemate.	... do	15½	12½				Building on the Black Sea; barbette armor, 12″.
Pivot aft.												
In broadside.												
In barbettes					....do	....do.....	16	15				Do.
Pivot aft.												
In broadside.												
In barbettes					....do	....do	16	15				Do.
Pivot aft.												
In broadside.												
In barbette tower, forward.		892	1,276	351								Building at St. Petersburg.
In barbette redoubt, aft.												
In barbette, two forward fire, two astern, two on each broadside.		351	544+(?)	351	Belt entire length; barbette casemate.	Iron	7	4½				Casemate, 6″.
In barbette, broadside.												
In barbette, two forward, two aft, five each broadside.		192	480+(?)	192	....do	....do	7	4½				Do.

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RUSSIA—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored ships—Contin'd,			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Minin	Iron, 1878; cruiser; belt; four armored barbette half towers, two forward, two aft; unprotected broadside; ship rig; condition good.	520	12.5	285 3	49 0	25 6	5,740	4	8	B. L	8.03
								12	6	....do	5.47
								12	.....	Light guns.	
Vladimir Monomach	Iron and steel, 1882; cruiser; belt; armored barbettes; ship rig; protective deck, 2″ thick; condition good.	550	16	295 0	52 0	25 0	5,796	4	8	B. L	8.03
								12	6	....do	5.47
								4	4		
Dmitri Donskoi	Iron and steel, 1883; cruiser; belt; armored half towers, one each side; unprotected broadside; ship rig; protective deck, 2″ thick; condition good.	612	16	296 7	51 8	25 0	5,796	2	8	....do	8.03
								14	6	.. do	5.47
								16	.....	Light guns.	
Moskwa	Steel; similar to "Vladimir Monomach"; brigantine rig; deck, 2″; building.	.....	*16	295 5	52 5	25 0	5,754	4	9	B. L	9.17
								10	6	....do	5.47
								4	3.5		
Admiral Arkass	Steel; sister ship; building	.....	*15	295 5	52 5	25 0	5,754	4	9	....do	.....
								10	6	....do	.....
								4	3.5		
Novgorod	Iron, 1873; circular armor clad; single barbette tower; light draft; coast-defense vessel; dome-shaped deck; flat bottom; condition fair.	110	7.5	(†)	(†)	13 2	2,490	2	11	....do	11.97
								2	.....	Light guns.	
Vice-Admiral Popoff	Iron, 1875; circular armor clad; single barbette tower; light draft; coast-defense vessel; dome-shaped deck; flat bottom; condition fair.	120	8.3	(‡)	(‡)	14 0	3,550	2	12	B. L	15.95
								4	.....	Light guns.	
Protected cruisers.											
Vitiaz	Steel, 1884; protected cruiser; new type; full rig; protective deck, 1½″, steel; condition good.	400	*15	298 0	45 0	18 0	2,965	10	6	....do	5.47
Rinda	Steel, 1885; protected cruiser; new type; full rig; protective deck 1½″, steel; condition good.	400	15	298 0	45 0	18 0	2,965	10	6	....do	5.47
Unarmored cruisers between 2,000 tons and 4,000 tons.											
Africa	Iron, 1877; machinery, &c. protected by light armor; built as merchant steamer Saratoga, at Chester, Pa., United States; purchased and altered in 1878; bark rig; can steam 10,000^{m}, at 12^{k}; carries 975 tons coal; condition good.	269	13	273 0	38 0	17 0	2,898	5	6	... do	5.47
								5	4.2	....do	.....
Asia	Iron, 1874; built as merchant steamer Columbus, at Philadelphia, Pa., United States; purchased and altered in 1878; bark rig; carries 770 tons coal; machinery is protected by light armor; condition good.	258	12.75	262 0	35 0	16 6	2,522	3	6	... do	5.47
								6	4.2	.. do	.....
Europa	Iron, 1878; built as merchant steamer "State of California," at Philadelphia; purchased and altered, 1878; bark rig; carries 1,100 tons coal; machinery, &c. protected by light armor; condition good.	289	13.5	300 0	36 11	17 0	3,220	3	6	....do	5.47
								4	4.2	... do	.....
Pamjat Markurija	Iron and steel, 1880; formerly the Jaroslav, of Moscow Volunteer Fleet; rebuilt by Government and renamed, 1885; bark rig; ram bow; condition good.	.....	*15.5	310 0	41 0	19 8	3,150	2	6	.. do	5.47
								4	6	....do	.....
Opyt	Steel, 1880; built in England, nominally as Imperial yacht "Livadia"; intended for service in Black Sea; fitted to carry battery in war time; reported to be dismantled and used as a coal hulk at present; condition bad.	.....	15.8	230 0	153 0	16 0	3,920	.....	.....	.....	.....
Unarmored cruisers between 2,000 tons and 1,000 tons.											
Dzigit	Iron; sheathed; 1875; cruiser, old type; bark rig	166	12	207 6	32 10	15 8	1,480	3	6	B. L	.....
								4	4	do.	
Krejser	.....do	166	13	207 4	33 10	16 6	1,599	3	6	....do	.....
								4	4	do.	

* Official estimate.

†101′ in diameter.

‡121′ in diameter.

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foreign ships of war—Continued.

RUSSIA—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In barbette half towers. In broadside.		351	927+	351	Belt entire length; 4 half towers, one on each side forward, one each side aft.	Iron	7					Barbettes, 8″; iron.
In barbette towers. In broadside.		573	1,102+	573	Complete water-line belt 7′3″ wide; belt 4′ wide in wake of broadside battery; 4 barbette towers.	Compound	9	6				Barbettes, 12″; compound.
In barbette half towers, one each side. In broadside.		351	847+	351	Belt complete; 2 barbette half towers; one each side.	do	7			Teak	24	Barbettes, 6″; compound.
In barbette towers. In broadside.		541	1,291+	270	Belt complete; 4 barbette towers; one aft, one in waist, one each side for'd, abreast.	do	8.3	5.8		do		Barbettes, 12″; compound.
In barbette towers. In broadside.		541	1,291+	270	do	do	8.3	5.8				Do.
In barbette tower		988	988	988	Complete armor; one barbette in center.	Iron	11	9		do	7	Barbettes, 30′ diameter, 11″ thick.
In barbette tower on deck.		1,297	1,297	1,297	do	Iron (sandwich).	18	16		do	7	Barbettes, 34′ diameter, 18″ thick.
Four on sponsons, two forward, two aft, six in broadside.		192	481	192								
Do		192	481	192								
Pivots. Broadside (†).			(†)									
Pivots. Broadside.			408									
Pivots. Broadside.			338									
Pivots. Broadside.			384									
Pivots. Broadside.			328									
do			328									

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RUSSIA—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers between 2,000 tons and 1,000 tons—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Zabijaka	Iron, 1878; cruiser, built in Philadelphia; barkentine rig; can steam 6,000^{m} at 10^{k}; condition good.	151	14.5	200 0	30 0	14 4	1,220	2	6	B. L	
								4	4	....do	
Rasbojnik	Iron; sheathed; 1878; type of Dzigit; two torpedo ports above water; condition good.		13	207 4	32 10	14 11	1,350	3	6	....do	
								4	4	....do	
Najezdnik	Composite, 1878; type of Dzigit; two torpedo ports above water; condition good.	180	13	207 4	32 10	14 6	1,355	3	6	....do	
								4	4	....do	
Strelok	Iron, sheathed; 1879; type of Dzigit; two torpedo ports above water; condition good.	188	13	207 4	32 10	14 3	1,364	3	6	....do	
								4	4	....do	
Plastun	Composite, 1879; type of Dzigit; two torpedo ports above water; condition good.		12.3	207 4	32 10	14 0	1,275	3	6	....do	
								4	4	Do.	
Vjestnik	Composite, 1880; type of Dzigit; two torpedo ports above water; condition good.		12	207 4	32 10	14 0	1,275	3	6	....do	
								4	4	Do.	
Opritonik	Composite, 1880; new type cruiser; bark rig; condition good.	182	13	207 6	32 11	16 3	1,511	4	6	....do	
								2	4	Do.	
Gun-vessels and gunboats.											
Jermak	Iron, 1870; schooner rig; gun-vessel on Siberian coast; condition good.			154 0	25 11	11 0	706	2	4	....do	
Tungus	....do			154 0	25 11	11 0	706	2	4	....do	
Ingul	Iron, 1872; schooner rig; gun-vessel in Black Sea; condition good.			180 5	26 3	12 5	749	2			
Ersch	Composite, 1874; gunboat of British Staunch type; condition good.		9	98 5	28 6	6 7	290	1	11	... do	11.97
Jorsch	....do		9	98 5	28 0	6 8	305	1	11	....do	11.97
Wichr	Composite, 1879; gunboat, with pivot gun in bow; condition good.		9.5	110 0	38 0	7 8	377	1	11	....do	11.97
								2	4	....do	
Burun	Composite, 1879; gunboat, Staunch type; condition good.		9	118 0	29 0	7 2	402	1	11	....do	11.97
								2	4	....do	
Tuchu	....do		9	118 0	29 0	7 2	402	1	11	....do	11.97
								2	4	....do	
Kartech	Composite, 1879; gunboat, Staunch type; condition good.		9	118 0	29 0	7 2	402	1	11	....do	11.97
								2	4	Do.	
Doschd	Composite, 1879; gunboat, Staunch type; condition good.		9.25	110 0	34 4	7 1	383	1	11	B. L	11.97
								2	4	....do	
Bruja	Composite, 1880; gunboat, Staunch type; condition good.		9	118 0	29 0	7 2	383	1	11	....do	11.97
								2	4	Do.	
Grosa	....do		9	118 0	29 0	7 2	383	1	11	....do	11.97
								2	4	Do.	
Grad	Composite, 1881; gunboat, Staunch type; condition good.		9	118 0	29 0	7 2	383	1	11	....do	11.97
								2	4	Do.	
Snjed	....do		9	118 0	29 0	7 2	383	1	11	....do	11.97
								2	4	Do.	
Oltjow	Composite, 1882; gunboat, Staunch type; condition good.		9	118 0	29 0	7 2	383	1	11	....do	11.97
								2	4	Do.	
Bobr	Composite, 1883; built in Finland for Siberia; brig rig; condition good.		12	187 0	35 0	9 6	950	1	9	....do	9.17
								1	6	... do	5.47
								6	4	Do.	
Sivoutch	Composite, 1883; built in Sweden for Siberia; brig rig; condition good.		12	187 0	35 0	9 6	950	1	9	....do	9.17
								1	6	....do	5.47
								6	4	Do.	

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foreign ships of war—Continued.

RUSSIA—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivots			232									
Broadside.												
Pivots; one forward, one aft.		96	328	96								
Broadside.												
Same as Razbojnik		96	328	96								
Pivots; one forward, one aft.		96	328	96								
Broadside.												
Same as Strelok		96	328	96								
....do		96	328	96								
In sponsons		192	232	192								
(†)			(†)									
(†)												
(†)			(†)									
In bow; trained by helm.		494										
Same as Ersch		494										
Pivot in bow; 120° train.		494	519	50								
Broadside.												
In bow; trained by helm		494	25	(†)50								
Broadside.												
In bow; trained by helm.		494	25	(†)50								
Broadside.												
Same as Burun		494	25	(†)50								
In bow; trained by helm.		494	25	(†)50								
Broadside												
Same as Doschd		494	25	(†)50								
....do		494	25	(†)50								
....do		494	25	(†)50								
....do		494	25	(†)50								
....do		494	25	(†)50								
(†)	1	(†)	441	(†)								
(†)	1	(†)	441	(†)								

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GERMANY.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored vessels.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Preussen	Iron, 1873; battle-ship, British "Monarch" type; belt, turrets, and breastwork; ship rig; condition good.	537	14	307 5	53 6	24 7	6,770	4	10.25	Krupp B. L	14.7
								2	6.7	do	7.6
Friedrich der Grosse	Iron, 1874; sister ship to Preussen	537	14	307 5	53 6	24 7	6,770	4	10.25	do	14.7
								2	6.7	do	7.6
Kaiser	Iron, 1874; battle-ship; broadside casemate; belt; ship rig; condition good.	638	14.6	279 11	62 0	26 0	7,676	8	10.25	do	14.7
								1	8.25	do	9.57
Deutschland	do	638	14.6	279 11	62 0	26 0	7,676	8	10.25	do	14.7
								1	8.25	do	9.57
Sachsen	Iron, 1877; battle-ship; guns in barbette; forward gun in pear-shaped tower; after guns in rectangular overhanging redoubt, 2″ iron hurricane deck over them; main protective deck 3″ iron; belt in wake of machinery and magazine only; one mast; military top; derricks for handling boats; condition good.	354	14	298 7	60 0	19 8	7,400	4	10.25	do	14.7
								1	11.75	do	19.8
Bayern	Iron, 1878; sister ship to Sachsen	354	14	298 7	60 0	19 8	7,400	4	10.25	do	14.7
								1	11.75	do	19.8
Wurtemburg	do	354	14	298 7	60 0	19 8	7,400	4	10.25	do	14.7
								1	11.75	do	19.8
Baden	Iron, 1880; sister ship to Sachsen	354	14	298 7	60 0	19 8	7,400	4	10.25	do	14.7
								1	11.75	do	19.8
Oldenburg	Steel, 1884; battle ship of smaller type; casemate battery; one mast; military top; ram; condition good.		14	249 0	59 0	19 6	5,200	6	9.45	do	18.15
								2	9.45	do	18.15
Hansa	Wood, 1872; cruiser; belt; casemate protecting battery; ship rig; condition fair.	397	12	224 6	46 3	21 7	3,610	4	8.25	do	9.57
								4	8.25	do	9.57
Armored gunboats.											
Viper	Iron, 1876; armored gunboat for coast defense; one signal mast; heavy ram bow; low speed; condition good.	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Wespe	do	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Biene	do	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Scorpion	Iron, 1877; sister ship to Viper	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Mücke	do	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Basilisk	Iron, 1878; sister ship to Viper	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Camëleon	do	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Crokodile	Iron, 1879; sister ship to Viper	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Natter	Iron, 1880; sister ship to Viper	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Salamander	do	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Hummel	Iron, 1881; sister ship to Viper	76	9	142 9	35 0	10 2	1,109	1	12	do	19.8
Brummer	Steel, 1884; similar type, but high speed; armored deck 2¼″ compound; condition good.	76	*15	203 5	27 10	10 6	875	1	12	do	19.8
Bremse	Steel, 1885; sister ship to Brummer	76	*15	203 5	27 10	10 6	875	1	12	do	19.8
Unarmored cruisers between 2,000 and 4,000 tons.											
Freya	Wood, 1874; old type cruiser; ship rig; corvette; condition good.	248	15	259	36 1	19	2,017	8	5.91	do	5.67

* Official estimate.

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foreign ships of war—Continued.

GERMANY.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In turrets		123	1,645	123	Belt complete; two turrets; breastwork, 90′ 6″x53′ 6″.	Iron	10.5	5.4	1¼	Teak	9½–10½	Built at Stettin, Germany. Turrets on fore and aft line, 8½″ to 10½″ thick.
Pivot; one bow, one stern fire.												
In turrets		123	1,645	123	do	do	10.5	5.4	1¼	do	9½–10½	Turrets on fore and aft line, 8½″ to 10½″. Built at Kiel.
Pivot; one bow, one stern fire.												
In casemate; two bow fire.		823	1,645	216	Belt complete; rectangular casemate; protection for stern gun.	do	11.25	6¼	1¼	do	10	Built at Poplar, England.
On main deck; stern fire.												
In casemate; two bow fire.		823	1,645	216	do	do	11.25	6¼	1¼	do	10	Do.
On main deck; stern fire.												
In barbette redoubt, aft.		1,538	1,538	823	Belt, 135′ 4″ long; barbette tower and barbette redoubt.	Iron (sandwich).	17.25	15¼	1¼	do	17¼–15¼	Built at Stettin.
In barbette tower, forward.												
Same as Sachsen		1,538	1,538	823	do	do	17.25	15¼	1¼	do	17¼–15¼	Built at Kiel.
do		1,538	1,538	823	do	do	17.25	15¼	1¼	do	17¼–15¼	Built at Stettin.
do		1,538	1,538	823	do	do	17.25	15¼	1¼	do	11¼–15¼	Built at Kiel.
On main deck; casemate.		1,408	1,408	1,408		Compound	12.87					Built at Stettin.
On upper deck; one each side, in barbette.												
In upper casemate; two bow, two stern fire.		432	864	432	Belt complete; casemate; double-decked.	Iron	6.25	4½		Teak	12½	Built at Dantzig.
In lower casemate; broadside.												
In barbette tower forward; trained by helm.		715			Belt complete; one barbette tower forward.	do	8					Barbette armor 9″. Built at Bremen.
do		715			do	do	8					Do.
do		715			do	do	8					Do.
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			do	do	8					
do		715			No belt; armored barbette tower forward.	Compound	8					Built at Bremen.
do		715			do							Do.
4 pivots, 4 broadside			468									

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GERMANY—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers between 2,000 and 4,000 tons—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Leipzig	Iron, sheathed; 1875; gun-deck corvette; ship rig; condition good.	432	16	282 2	45 11	21 7	3,925	1	6.7	Krupp B. L	7.6
								10	6.7	do	6.1
Prinz Adalbert	Iron, sheathed; 1876; sister ship to Leipzig	432	16	282 2	45 11	21 7	3,925	1	6.7	do	6.1
								10	6.7	do	6.1
Bismarck	Iron, sheathed; 1877; gun-deck corvette of smaller type; condition good.	404	14	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Blücher	do	404	14	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Stosch	do	404	14	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Moltke	do	404	14 1	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Gneisnau	Iron, sheathed; 1879; sister ship to Bismarck	404	14 8	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Stein	do	404	14	244 4	43 3	19 8	2,856	4	5.91	do	5.67
								12	5.91	do	5.67
Carola	Iron and steel, sheathed; 1880; spar-deck corvette; bark rig; condition good.	267	14	226 4	41	18 4	2,169	8	5.91	do	6.73
								2	3.42	do	
Olga	do	267	14	226 4	41	18 4	2,169	8	5.91	do	6.73
								2	3.42		
Marie	Iron and steel, sheathed; 1881; sister vessel to Carola.	267	15	226 4	41	18 4	2,169	8	5.91	do	6.73
								2	3.42		
Sophie	do	267	14	226 4	41	18 4	2,169	8	5.91	do	6.73
								2	3.42		
Alexandrina	Steel composite, 1885; improved Carola type; condition good.	267	14	234 6	41 4	16 5	2,370	12	5.91	do	6.73
								2	3.42		
Not named. To replace Nymphe.	Improved Carola type; building	267	14	234 6	41 4	16 5	2,370	12	5.91	do	
								2	3.42		
Not named. To replace Medusa.	do	267	14	234 6	41 4	16 5	2,370	12	5.91	do	
								2	3.42		
Not named. To replace Victoria.	Steel; improved Bismarck type; building	427	14				3,360	18	5.91	do	
Not named. To replace Prinz Adalbert. (Iron clad.)	Steel; building										
Cruisers between 2,000 and 1,000 tons.											
Ariadne	Wood, 1871; gun-deck corvette; bark rig; condition good.	238	13	204	35	17 1	1,719	6	5.91	Krupp B. L	5.67
								2	4.72	do	4.72
Luise	Wood, 1872; sister ship to Ariadne	238	14	204	35	17 1	1,719	6	5.91	do	5.67
								2	4.72	do	4.72
Blitz	Steel, 1882; dispatch cruiser; schooner rig; ram bow; condition good.	127	16	245 1	32 6	13 6	1,382	1	4.72	do	4.72
								4	3.42	do	
Pfeil	do	127	16	245 1	32 6	13 6	1,382	1	4.72	do	4.72
								4	3.42		
Gun-vessels and cruising gunboats.											
Albatross	Wood, 1871; gun-vessel; bark rig; condition good	115	12	168	26 10	10 10	716	2	5.91	do	5.67
								2	4.72	do	4.72
Nautilus	do	115	10 6	168	26 10	10 10	716	2	5.91	do	5.67
								2	4.72	do	4.72

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foreign ships of war—Continued.

GERMANY—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivot, under top-gallant forecastle.		78	390									
Broadside, gun-deck.												
....do		78	390									
On spar-deck; 2 bow, 2 stern fire.		156	628	156								
Broadside, gun-deck.												
....do		156	628	156								Is torpedo training ship. Has six torpedoes under-water tubes, 1 bow, 1 stern, 2 each broadside.
....do		156	628	156								NOTE: Weights of heaviest projectiles:
....do		156	628	156								*Lbs.*
....do		156	628	156								15cm (5.91") long 78.1
												15cm (5.91") short 78.1
(?)			(?)									17cm (6.7") long 122.7
On forecastle, bow fire.												17cm (6.7") short 110.0
Same as Carola			(?)									12cm (4.72") 38.5
....do			(?)									
....do			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
Pivot on forecastle; bow fire.												
Broadside.												
Same as Blitz												
Pivots												
(?)												
Same as Albatross												

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GERMANY—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Gun-vessels and cruising gunboats—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Cyclop	Iron, 1874; cruising gunboat; brigantine rig; condition good.	67	8	138 5	22 11	9 10	412	2	4.72	Krupp B. L.	4.72
								2	3.15	do	
Wolf	Iron, 1878; cruising gunboat; topsail schooner rig; condition good.	87	10	139 2	25 1	9 10	489	2	4.72	do	4.72
								2	3.15		
Hyäne	do	87	11	139 2	25 1	9 10	489	2	4.72	do	
								2	3.15		
Iltis	do	87	11	139 2	25 1	9 10	489	2	4.72	do	
								2	3.15		
Zieten	Iron, 1876; cruising torpedo vessel; 2 tubes (one forward, one aft), 6′ below water-line; condition good.	111	16	196 10	27 10	11 7	975	4	4.72	do	4.72
Habicht	Steel and iron, 1879; gun-vessel; condition good	127	10 5	174	29 6	11 5	848	1	5.91	do	6.73
								4	4.72	do	4.72
Möwe	do	127	10 5	174	29 6	11 5	848	1	5.91	do	6.73
								4	4.72	do	4.72
Adler	Steel, 1883; gun-vessel; condition good		10 3				883	1	5.91	do	6.73
								4	4.72	do	4.72

SPAIN.

Armored vessels.											
(Not named)	Steel; battle ship; type of French "Amiral Duperré;" armored barbette; belt; unprotected broadside; protective deck; building.		*15.5	344 6	66 2	24 8	9,902	2	12.6	43-ton Hontoria B. L.	19.84
								2	11	38-ton Hontoria B. L.	15.95
								13	(?)		
Sagunto	Wood, 1869; old-type broadside battle-ship; ship rig; condition good.	554	8	279 2	54 1	25 11	7,352	8	9	12-ton Armstrong	9.84
								3	7	Palliser	7.44
Numancia Vitoria Zaragoza Mendez Nunez	Old type broadside armored ships; low speed; 5″ maximum armor; 8″, 9″, 10″, old type, Armstrong M. L. R.; built 1860–1870. Numancia and Vitoria, iron; Zaragoza and Mendez Nunez, wood; condition of all poor.										
Duque de Tetuan	Wood, 1874; floating battery; fair	85	8	141 0	31 1	6 11	703	1	6.3	Palliser.	
								4	4.7	B. L	4.72
Puigcerda	Iron, 1874; river monitor; condition good	70	8	127 11	29 6	6 7	553	1	6.3	Palliser.	
								2	4.7	B. L	4.72
Unarmored vessels.											
Aragon	1879, wood and iron; new type fast unarmored cruiser; bow and stern fire from guns in sponsons; condition good.	360	17	242 8	42 8	24 0	3,342	4	6.3	No. 1 Hontoria	
								4	6.3	No. 2 Hontoria	
								4	3.4	Krupp	
Castilla	1881, sister ship to Aragon	360	*15	242 8	42 8	24 0	3,342	4	6.3	No. 1 Hontoria	
								4	6.3	No. 2 Hontoria.	
								4	3.4	Krupp.	
Navarra	do	360	*15	242 8	42 8	24 0	3,342	4	6.3	No. 1 Hontoria	
								4	6.3	No. 2 Hontoria.	
								4	3.4	Krupp.	
Reina Cristina	Wood; new type unarmored cruiser; smaller class; building.		*15.5	264 0	41 0	21 0	3,090	8	6.3	Hontoria	
								4	3.54	B. L.	
Reina Mercedes	do		*15.5	264 0	41 0	21 0	3,090	8	6.3	Hontoria	
								4	3.54	B. L.	
Alphonso XII	do		*15.5	264 0	41 0	21 0	3,090	8	6.3	Hontoria	
								4	3.54	B. L.	

* Official estimate.

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foreign ships of war—Continued.

GERMANY—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivots												
Broadside.												
Same as Cyclop												
....do												
....do												
(?)												
Pivots		71	149									
Broadside; 2 have bow fire.												
Same as Habicht		71	149									
....do		71	149									

SPAIN.

In barbettes; one aft, one in waist.		1.518	(?)	759	Belt complete; barbette towers; ammunition tubes.	Steel	17.7	11.8				Building in France ("Forges et Chantier"); to be completed 1887.
In barbettes; one each side, forward.												
On main deck, broadside.												
In broadside, casemate main deck.					Belt complete; casemate in wake of battery, main deck; short central casemate upper deck.	Iron	5.9	4		Wood.	22½	Built in Spain; completed 1876.
In casemate, spar-deck.												
						....do	3.93			Teak.	9	
In one turret, 3 ports		141	141		Monitor type; one turret.	....do	3.93	3		..do	7.87	
In sponsons, two forward, two aft.		167+	334+	167								Built at Cartagena.
In broadside.												
On top-gallant forecastle.												
Same as Aragon		167+	334+	167+								Built at Cadiz.
....do		167+	334+	167+								Built at Ferrol.
		(?)	(?)	(?)								
		(?)	(?)	(?)								
		(?)	(?)	(?)								

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SPAIN—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored vessels—Con'd.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Velasco	Iron, 1881; 3d class unarmored cruiser; condition good.	173	.....	193 2	29 0	11 4	1,152	3	6	B. L	.....
Conde del Venadito	Third class unarmored cruisers; building; to be launched 1885.	173	.....	193 2	29 0	11 4	1,152	5	4.72	Hontoria B. L	4.72
Cristobal Colon	do	173	.....	193 2	29 0	11 4	1,152	5	4.72	do	4.72
Don Juan de Austria	do	173	.....	193 2	29 0	11 4	1,152	5	4.72	do	4.72
Infante Isabel	do	173	.....	193 2	29 0	11 4	1,152	5	4.72	do	4.72
Isabel II	do	173	.....	193 2	29 0	11 4	1,152	5	4.72	do	4.72
Ulloa	do	173	.....	193 2	29 0	11 4	1,152	5	4.72	do	4.72
Jorge Juan	Iron, 1876; 3d class unarmored cruiser; condition good	146	13.45	203 5	29 7	15 0	935	1	6.3	do	.....
								2	6.3	do	.....
Sanchez Barcaiztegui	do	146	13.23	203 5	29 7	15 0	935	1	6.3	do	.....
								2	6.3		
Concha	Iron, 1883; first class gunboat; condition good	.....	.....	160 0	25 0	.....	524	3	(?)	.....	.....
Elcano	Iron, 1883; first class gunboat; building	.....	.....	160 0	25 0	.....	524	3	.....	.....	.....
General Lezo	do	.....	.....	160 0	25 0	.....	524	3	.....	.....	.....
Magellanes	do	.....	.....	160 0	25 0	.....	524	3	.....	.....	.....

AUSTRIA.

Armored vessels.											
Kaiser	Wood and iron, 1871; old type casemate battle-ship; converted from wooden line of battle-ship; ship rig; condition poor.	.....	12.7	254 1	58 2	26 3	5,810	10	9	Armstrong M. L	10.31
								6	3.54	Uchatius.	
Custoza	Iron, 1872; old type battle-ship; double-decked casemate; sides cut away forward and aft to allow of nearly bow and stern fire; ship rig; condition good.	.....	14	302 2	58 0	26 9	7,060	8	10½	Krupp B. L	11.89
								6	3.54	Uchatius.	
Erzherzog Albrecht	Iron, 1872; similar type; sides cut away for four guns, bow fire; two guns nearly stern fire; condition good.	.....	13.5	288 2	56 2	25 3	5,940	8	9½	do	10.35
								6	3.54		
Tegetthoff	Iron and steel, 1878; new type casemate battle-ship; ship rig; protective deck 3″; condition good.	.....	14.3	286 10	62 4	26 7	7,390	6	11	do	16.89
								6	3.54		
Kronprinz Erzherzog Rudolf.	Steel; turret battle-ship; building	.....	.....	295 2	62 4	25 3	6,900	3	12	Krupp	19.8
								6	3.54	Uchatius.	
Ferdinand Max	do	.....	.....	278 8	55 7	21 6	5,100	2	12	Krupp	19.8
								4	5.9	Do.	
Don Juan de Austria	Iron and steel, 1875; cruiser, casemate iron-clad of old type; ship rig; condition good.	.....	13.6	240 3	50 0	20 9	3,550	8	8.3	do	8.5
								4	3.54	Uchatius.	
Kaiser Max	do	..	13.4	240 3	50 0	20 9	3,550	8	8.3	do	8.5
								4	3.54		
Prinz Eugene	Iron, 1877; sister ship to Don Juan de Austria	.....	13.5	240 3	50 0	20 9	3,550	8	8.3	do	8.5
								4	3.54		
Maros	Iron and steel, 1871; river monitor for Danube; free board 1′ 7″ at ends, 3′ 2″ in waist; condition good.	.....	8.5	165 10	27 7	3 7	310	2	6	.....	6.61
Leitha	do	.....	8.5	165 10	27 7	3 7	310	2	6	.....	6.61
Hapsburg	Wood, 1865; to be rebuilt as new type battle-ship	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salamander	Wood, 1861; to be rebuilt as single turret battle-ship	.....	.....	.....	.....	.....	.....	2	12	Krupp	19.8
Unarmored cruisers between 2,000 tons and 4,000 tons.											
Radetzky	Composite, 1872; second class frigate, ship rig; condition good.	.....	14.2	253 0	47 0	23 7	3,430	1	5.91	Krupp B. L	6.42
								14	5.91	do	6.42
Laudon	Composite, 1873; second class frigate, ship rig; condition good.	.....	13.6	253 0	47 0	23 7	3,430	1	5.91	do	6.42
								14	5.91	do	6.42

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foreign ships of war—Continued.

SPAIN—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Built at London.
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
Pivot on top-gallant forecastle.	.....	250.5	167	167	.....	.....	.....	.....	.....	.....	.....	Built by "Forges et Chantier".
In sponsons abaft foremast.												
Same as Jorge Juan ...	.....	250.5	167	167	.....	.....	.....	.....	.....	.....	.....	Do.
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(†)	(†)	(†)	.....	.....	.....	.....	.....	.....	.....	

AUSTRIA.

In casemate, eight on main, two on upper deck.	.....	255	1,275+	.....	Belt complete; casemate protecting battery: one 3 port turret each side upper deck.	Iron	6½	5½	.....	.....	31	Built 1858; rebuilt 1871; converted to ironclad 1872.
In casemate, four on each deck.	.....	.....	1,580+	.....	Belt complete; double-decked casemate; bulkheads.	Iron	9	6	1½	.....	8½	
.....do	.....	1,166	1,166	583	....do	....do	8	7	.....	.....	9½	
In casemate, two bow, two stern fire.	.....	1,113+	1,169+	1,113	Belt to 32′ 10″ of bow; bulkhead; casemate divided by bulkhead.	.....	14½	12	1½	.....	10	Two guns in forward compartment of casemate have bow and beam fire; four guns in after compartment.
(†)	.....	.....	(†)	.....	(†)	.....	12	.....	.....	.....	.....	Weight of 12″ shell, 715 pounds.
(†)	.....	.....	(†)	....	(†)	.....	(†)	.....	.....	.....	.....	
In casemate, no bow or stern fire.	.....	.....	824+	.....	Belt complete; casemate; bulkheads.	Iron	8	.....	1½	.....	9½	Built 1862 of wood; rebuilt of iron and steel, and armored, 1875. Bunkers in hold and lower deck in wake of boilers and engines.
.....do	.....	.....	824+	.....	....do	....do	8	.....	1½	.....	9½	Do.
.....do	.....	.....	824+	.....	... do	... do	8	.....	1½	.....	.....	Do.
In turret	.....	170	170	.....	Belt; one turret; monitor type.	....do	2½	.....	1.7	.....	7½	Turret revolves by hand.
.....do	.....	170	170	.....	....do	....do	2½	.....	1.7	.....	7½	Do.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
In turret	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Pivot, spar-deck	.....	.....	594	.....	.....	.....	.....	.....	.....	.....	.....	
Broadside, gun-deck.												
.....do	.....	.....	594	.....	.....	.....	.....	.....	.....	.....	.....	
Do.												

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AUSTRIA—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers between 2,000 tons and 4,000 tons—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Donau	Composite, 1874; gun-deck corvette, ship rig; condition good.	.....	12	233 0	42 6	20 0	2,510	1	5.91	Krupp B. L	6.42
								10	5.91	....do	6.42
Saida	Composite, 1878; gun-deck corvette, ship rig; condition good.	.....	12	233 0	42 6	20 0	2,440	1	5.91	....do	6.42
								10	5.91	....do	6.42
Cruisers between 2,000 tons and 1,000 tons.											
Fasana	Composite, 1870; spar-deck corvette, ship rig; condition good.	.....	12	223 0	39 4	20 4	1,970	4	5.91	....do	6.42
Zrinyi	Composite, 1871; spar-deck corvette, bark rig; condition good.	.....	11.32	193 6	32 10	17 8	1,340	4	5.91	Wahrendof B.L.	(?)
Aurora	Composite, 1873; sister ship to Zrinyi	.....	11.18	193 6	32 10	17 8	1,340	4	5.91	....do	(?)
Frundsberg	....do	.....	11.18	193 6	32 10	17 8	1,340	4	5.91	....do	(?)
Gun-vessels and gunboats.											
Albatross	Composite, 1873; cruising gunboat, barkentine rig; condition good.	.....	10	151 0	26 3	11 10	570	2	5.91	....do	(?)
Nautilus	....do	.....	9.68	151 0	26 3	11 10	570	2	5.91	....do	(?)
Gun and torpedo vessels.											
Zara	Steel, 1879; gun and torpedo vessel, schooner rig; condition good.	.....	14	180 0	26 3	13 9	840	4	3.54	Uchatius B. L	.....
Spalato	....do	.....	14	180 0	26 3	13 9	840	4	3.54	....do	.....
Sebenico	Steel, 1882; gun and torpedo vessel, schooner rig; condition good.	.....	14	187 0	26 3	12 0	880	2	5.91	Krupp B. L	6.42
Lussin	Steel, 1883; gun and torpedo vessel, schooner rig; condition good.	.....	.....	200 0	26 3	12 0	913	2	5.91	... do	6.42
Panther	Steel, 1885; gun and torpedo vessel of "Scout" type; six torpedo tubes; one in bow; one in stern; two each broadside; protective deck over boilers; condition good.	.....	.....	.....	.....	.....	1,500	2	4.72	B. L	4.41
(* *)	Sister vessel building.										

HOLLAND.

Armored vessels.											
Koning der Nederlanden	Iron, 1874; turreted cruiser and battle-ship; ship rig; condition good.	.....	11.9	268 0	54 0	19 0	5,285	4	11	Armstrong M. L.	13.74
								4	4.72	Krupp B. L	4.72
Draak	Iron, 1877; ram monitor; belt; one turret; mastless; condition good.	.....	9	202 5	49 0	11 0	2,156	2	11	Krupp	15.95
Haai	Iron, 1871; similar type to Draak	.....	7	186 0	44 0	9 10	1,525	2	9	Armstrong M. L.	9.84
Wesp	....do	.....	7	186 0	44 0	9 10	1,525	2	9	....do	9.84
Luipaard	Iron, 1876; sister vessel	.....	7	186 0	44 0	9 10	1,525	1	11	Krupp B. L	13.75
Panter	Iron, 1870; sister vessel	.....	7	186 0	44 0	9 10	1,525	2	9	Armstrong M. L.	9.84
Hyaena	....do	.....	7	186 0	44 0	9 10	1,525	2	9	....do	9.84
Matador	Iron, 1878; similar type to Draak	.....	7	200 0	47 5	9 10	1,650	2	11	Krupp	13.75
Isala	Iron, 1876; turreted gunboat; condition good	.....	8	151 0	25 0	4 3	367	2	4.72	....do	4.72
Rhenus	Iron, 1877; turreted gunboat; condition good	.....	8	151 0	25 0	4 3	367	2	4.72	....do	4.72
Mosa	Iron, 1878; turreted gunboat; condition good	.....	8	151 0	25 0	4 3	367	2	4.72	....do	4.72
Merva	Iron, 1879; turreted gunboat; condition good	.....	8	151 0	25 0	4 3	367	2	4.72	....do	4.72
Unarmored cruisers.											
Van Galen	Wood, 1872; unarmored cruiser; condition good	225	8	197 0	39 0	18 0	2,160	4	6.3	Krupp B. L	(?)
								6	4.72	.... do	4.72
Alkmar	Composite, 1874; unarmored cruiser; condition good	100	11	154 0	30 0	14 8	1,010	1	5.9	....do	(?)
								6	4.7	Do.	

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foreign ships of war—Continued.

AUSTRIA—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Broadside, gun-deck			445									
Do.												
....do			445									
Do.												
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									Built by Armstrong & Co., England.

HOLLAND.

In turrets; 2 forward, 2 aft.		1,137	2,198	1,137	Belt complete; two turrets.	Iron	8					Turret armor, 12″.
In broadside; train nearly ahead and astern.												
In turret		1,234	1,234	(?)	Belt and one turret	do	8					Turret armor, 9″.
....do		495	495	(?)	do	do	5.5	4.5				Do.
....do		495	495	(?)	do	do	5.5	4.5				Do.
....do		517	517	(?)	do	do	5.5	4.5				Do.
....do		495	495	(?)	do	do	5.5	4.5				Do.
....do		495	495	(?)	do	do	5.5	4.5				Do.
....do		1,034	1,034	(?)	do	do	5.5	4.5				Do.
....do		77	77		do	do	5	4				Turret armor, 6.3″ to 5″.
....do		77	77		do	do	5	4				Do.
....do		77	77		do	do	5	4				Do.
....do		77	77		do	do	5	4				Do.
(?)			(?)									
(?)			(?)									

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HOLLAND—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Atjeh	Composite, 1876; unarmored cruiser, 1st class; condition good.	225	14	262 6	39 0	19 6	3,160	6	6.7	Krupp B. L.	4.72
								8	4.72	Do.	
Tromp	Composite, 1877; sister ship to Atjeh	225	14	262 6	39 0	19 6	3,160	6	6.7	do	4.72
								8	4.72		
K. Emma der Nederlanden.	Composite, 1879; sister ship to Atjeh	225	14	262 6	39 0	19 6	3,160	6	6.7	do	4.72
								8	4.72		
De Ruyter	Composite, 1880; sister ship to Atjeh	225	14	262 6	39 0	19 6	3,160	6	6.7	do	4.72
								8	4.72		
Van Speyk	Composite, 1882; sister ship to Atjeh	225	15	262 6	39 0	19 6	3,160	6	6.7	do	4.72
								8	4.72		
Doggersbank	Sister ship to Atjeh; building	225	15	262 6	39 0	20 0	3,160	6	6.7	do	4.72
								8	4.72		
J. Willem Friso	do	225	15	262 6	39 0	20 0	3,160	6	6.7	do	4.72
Also a large fleet of gun-vessels and small gunboats.								8	4.72		

DENMARK.

Armored vessels.											
Helgoland	Iron, 1878; battle-ship; casemate and turret; two masts; military tops; deck, 3″ thick; condition good.	300	13.3	267 0	58 0	18 6	5,347	1	12	Krupp B. L.	19.17
								4	10	do	19.67
								5	4.72	do	4.72
Iver Hvitfeldt	Battle ship of smaller type; building						3,260	6	(?)		
Gorm	Iron, 1870; single-turreted monitor; two masts; ram; condition good.		12.3	231 6	39 0	14 5	2,344	2	10	Armstrong	12
Odin	Iron, 1872; low freeboard casemate; two masts; ram; condition good.		12.4	236 10	48 0	14 1	2,083	4	10	do	12
Tordenskjold	Iron, 1880; armored; turreted torpedo ship; condition good.		14.5	221 6	43 0	15 0	2,420	1	14	Krupp B. L.	26.1
								6	4.72		
(Not named)	Armored; turreted; similar ship; building		14.5	221 6	43 0	15 0	2,420	1	14	do	26.1
								6	4.72		4.72
Unarmored cruisers.											
Fyen	Composite, 1882; unarmored cruiser, 2d class; condition good.			226 4	46 0	18 0	2,596	18	6	Krupp	6.69
St. Thomas	Wood, 1871; unarmored cruiser, 3d class; condition good.		13	223 0	32 10	17 0	1,572	1	8	Armstrong	7.24
								4	6	B. L.	
Ingolf	Iron, 1876; unarmored gun-vessel; condition good		10	190 0	26 2	12 5	870	3	6	Krupp B. L.	
Also a considerable fleet of gunboats.											

NORWAY.

Armored vessels.											
Scorpionen	Iron, 1865; single-turret monitor; condition fair		7	164 0	44 0	11 4	1,447	2	10½	Armstrong, B. L.	18.8
Mjoelner	Iron, 1867; single-turret monitor; condition fair	82	8	168 5	42 0	11 3	1,566	2	10½	do	18.8
Thrundvang	Iron, 1868; single-turret monitor; condition fair		8.8	176 7	46 0	12 0	1,600	2	10½	do	18.8
Thor	Iron, 1872; single-turret monitor; condition good		9	176 7	46 0	12 0	1,660	2	10½	do	18.8
Odin	do		9	176 7	45 0	12 0	1,660	2	10½	do	18.8
Unarmored vessels.											
Sleipner	Iron, 1877; unarmored gun torpedo boat; five tubes for discharging Whiteheads; one in bow, four in cranes on side; condition good.		12	165 0	32 0	9 6	580	1	10½	Krupp	14.7
								1	6	Palliser.	
Ellida	Iron, 1880; unarmored gun torpedo boat; five tubes for discharging Whiteheads; one in bow, four in cranes on side; condition good.		12	165 0	32 0	9 6	580	1	10½	Krupp	14.7
								1	6	Palliser.	
Also a considerable fleet of small gunboats.											

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foreign ships of war—Continued.

HOLLAND—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									
(?)			(?)									

DENMARK.

In turret, forward		1,991	2,123	1,311	Belt complete; casemate; turret.	Iron	12	10				Built in Denmark; turret armor, 10″.
In casemate, 2 bow fire.												
On spar-deck, 1 stern, 4 broadside fire.												
(?)			(?)		(?)							
In turret, forward		803	803		Belt complete; turret.	Iron	7					Turret armor, 7.9″.
In casemate		803	803	803	Belt; rectangular redoubt.	do	7.9	5			10.3	Casemate armor, 8″.
In turret, forward	Two	1,155	(?)	(?)	Turret and deck	do	7.8					Water-line, cork belt; turret, 7.8″
do	do	1,155	(?)	(?)	do	do	7.8					Do.
In broadside		(?)	772	(?)								
(?)		(?)	336	(?)								
(?)		(?)	(?)	(?)								

NORWAY.

In turret		800	800		Monitor type, belt and turret.	Iron	5				26	One turret forward armor, 11.8″.
do		800	800		do	do	5				26	Do.
do		800	800		do	do	5				26	Do.
do		800	800		do	do	7				9	One turret forward; armor, 14″.
do		800	800		do	do	7				9	Do.
In fixed three port turret forward.		411	411	(?)								
do		411	411	(?)								

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SWEDEN.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored vessels.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Svea	Iron; small type turret battle-ship; one mast; dericks and military top; protective deck, 2″ thick; building.	142	13	226 0	48 8	15 6	2,662	2	10	Armstrong, B.L.	21.6
								3	6	....do	8.5
J. Ericsson	Iron, 1865; single-turret monitor, "Passaic" type; condition fair.										
Thördon	.....do	.....	7	204 0	46 0	11 10	1,550	2	9.5	Finsprong, B. L.	9.61
Tirfing	.....do										
Loke	..... do										
Seven monitor type	Iron, 1870–'72; armored gunboats; condition good	.....	8	106 0	26 2	8 2	460	1	9½	B. L	9.61
Three casemate	..... do	.....	4.6	104 0	22 4	5 5	260	1	8	....do	.....
Unarmored cruisers.											
Balder	Wood, 1870; unarmored cruiser; condition good	216	13	203 5	36 0	19 6	1,873	4	6.5	B. L	6.38
								2	.....	30-pounder, B. L	
Saga	Wood, 1878; unarmored cruiser; condition good	188	13	196 10	32 10	18 4	1,617	2	6.5	Finsprong. B. L	6.38
								6	4.8	....do	
Freja	Steel; unarmored cruiser, new type; building	.....	.....	220 0	41 0	16 6	2,400	4	6.5	... do	6.38
								2	.....	30-pounder (?)	
Also a considerable fleet of unarmored gunboats.											
Dratt	Iron, 1877; torpedo vessel; condition good	.....	13	170 0	26 2	9 6	638	1	4.8	Finsprong, B. L	.....

TURKEY.

Armored vessels.											
Messudieh	Iron, 1874; broadside casemate battle-ship; belt; ship rig; deck, 1″ thick; condition good.	.....	13.7	332 0	59 0	25 0	9,140	12	10	Armstrong	12.36
								2	7	....do	7.42
								1	7	....do	7.42
Hamidieh	Iron, 1885; broadside casemate battle-ship; belt; ship rig; deck, 1″ thick; condition good.	640	13	292 0	55 9	25 6	7,920	10	9.45	Krupp	10.35
								2	6.7	....do	8.42
Idjilalieh (Majestic.)	Iron, 1870; armored cruiser, casemate surmounted by barbette tower; brig rig; condition good.	.....	11	213 3	42 8	17 0	2,228	1	9	Armstrong	9.84
								4	7	....do	7.42
Fethi Bulend	Iron, 1870; armored cruiser, old type; belt and casemate; ship rig; sides cut away for fore and aft fire; condition good.	219	12.5	235 0	43 0	18 0	2,760	4	9	....do	9.84
Mukademé-i-hair	Iron, 1872; sister ship; condition good	219	12	235 0	43 0	18 0	2,760	4	9	... do	9.84
Hesber	Iron, 1875; river monitor, one turret; condition good	51	7	134 6	30 8	5 6	652	2	4.72	Krupp	4.72

GREECE.

Hellas	Wood, 1878; unarmored corvette; condition good	.....	.....	200 1	39 4	14 9	1,650	6	6	Krupp	6.4
Amiral Miaulis	Composite, 1879; new type unarmored cruiser; condition good.	220	13.5	246 0	35 5	17	2,300	4	6.7	....do	8.42
Hydra	Steel, 1881; gunboat, type of Chinese "Epsilon;" protective deck; condition good.	.....	9	124 0	29 6	5 6	440	1	10.2	... do	15.95
Spetzia	Steel, 1881; sister ship; condition good	.....	9	124 0	29 6	5 6	440	1	10.2	....do	15.95
Alpheos	Iron, 1884; gunboat; bark rig; condition good	.....	10	137 0	25 0	.....	420	2	3.8	....do	.....
Eurotos	.....do	.....	10	137 0	25 0	.....	420	2	3.8	....do	.....
Perseos	..... do	.....	10	137 0	25 0	.....	420	2	3.8	....do	.....
Achelos	.....do	.....	10	137 0	25 0	.....	420	2	3.8	....do	.....

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foreign ships of war—Continued.

SWEDEN.

Battery. Position and mounting.	Torpedo boats.	Weight of fire. Ahead.	Broadside.	Astern.	Armor. Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Backing. Material.	Thickness.	Remarks.
							In.	*In.*	*In.*		*In.*	
In turret			(†)		Belt complete; one turret; bulkhead.	Steel	12	10		Teak	11	Building at Stockholm; by Government.
In turret		634	634	(†)	Monitor type; belt and turret.	Iron	5			Wood	31½	One turret; armor, 10.7″; iron.
In turret		317			Belt and one turret.	Iron	8			do	33½	One turret; 12″ armor.
In casemate; bow fire.		(†)			Belt and casemate; armored on forward side.	do	2.4			do	33½	On bulkhead protecting gun, 8.6″.
(†)			(†)									
(†)			(†)									
(†)			(†)									
(†)												Carries nine 15″ Whitehead torpedoes, submerged tubes.

TURKEY.

In casemate		229	2,382	114	Belt complete and casemate 135′ long.	Iron	12	9		Teak	12	Built at Thames Iron Works, England.
On forecastle.												
On poop.												
In casemate		(†) 128	1,457	(†) 128	(†)	do	10	6				Built at Constantinople.
One forward, one aft; pivots.												
In barbette tower			476		Belt complete; casemate surmounted by barbette tower on after end.	do	6	4½				Built at Trieste; barbette armor, 4½″.
In casemate.												
do		495	495	495	Belt complete; casemate.	do	9	6		Teak	10	Built in England.
do		495	495	495	do	do	9	6		do	10	Do.
In turret		77	77	(†)	Belt and turret	Iron	3			Teak	5½	Built in Constantinople.

GREECE.

In broadside		(†)	223	(†)								
One in bow, one in stern, two in sponsons.		383	383	383								Built in France.
In bow, protective shield.		634	(†)	(†)								Built in England.
do		634										Do.

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PORTUGAL.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored vessel.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Vasco de Gama	Iron, 1876; cruiser; belt; overhanging central casemate; barkentine rig; condition good.	130	12.5	216 0	40 0	19 0	2,479	2	10¼	Krupp	11.9
								1	5.9	....do	.....
Unarmored vessels.											
Reino de Portugal	Composite, 1875; unarmored corvette; condition good	.....	.....	170 0	26 0	14 9	1,124	2	7	Armstrong	7.42
								6	.....	40-pounder Armstrong.	
Mindello	Composite, 1876; sister ship; condition good	.....	.....	170 0	26 0	14 9	1,124	2	7	....do	7.42
								6	.....	40-pounder Armstrong B. L.	.....
Alfonso de Albuquerque	Iron, 1884; new type unarmored cruiser; condition good.	.....	.....	205 0	33 0	18 0	†1,111	2	6	Armstrong B. L.	8.7
								4	.....	40-pounder Armstrong B. L.	.....
								1	.....	....do	.....
12 gunboats	1873–1884; condition good	.....	.....	.....	.....	.....	539–339†	1	7	Armstrong	.....
								4	.....	40-pounder Armstrong.	

BRAZIL.

Armored vessels.											
Riachuelo	Steel, sheathed; 1883; armored cruiser; belt and two turrets; ship rig; steel protective deck, 2″ thick; condition good; 5 torpedo ports.	250	16	305 6	52 0	20 0	5,791	4	9	20-ton Armstrong B. L.	19.6
								6	5½	Armstrong B. L.	14.1
Aquidaban	Steel, sheathed; 1885; similar to Riachuelo	.....	*16	280 0	52 0	18 0	5,000	4	9	20-ton Armstrong B. L.	19.6
								4	5½	Armstrong B. L.	14.1
Javary	Iron, 1875; sea-going monitor; two turrets; two signal poles; condition good.	137	12	240 0	58 0	11 10	3,700	4	10½	Whitworth M.L	.....
Solimões	.....do	111	13	240 0	58 0	11 10	3,700	4	10½	....do	.....
Sete de Setembro	Wood, 1874; cruising iron-clad, old type; belt and redoubt; schooner rig; condition fair.	185	11	220 0	46 6	12 6	2,179	4	9½	.. do	.....
Unarmored cruiser over 4,000 tons.											
Cruzador "B"	Steel; new type cruiser; 1st class; ship rig; building.	450	15.5	270 0	47 4	18 6	4,023	4	8	12-ton Armstrong B. L.	14.4
Cruisers between 4,000 and 1,000 tons.								10	6	Armstrong, B. L.	10
Trajana	Wood, 1873; corvette; ship rig; peculiar wedge-shaped model; condition good.	162	13	200 0	39 10	15 6	1,414	7	4.76	Whitworth M. L.	(?)
Guanabara	Wood, 1877; corvette; ship rig; condition good	257	12.5	200 0	41 2	17 10	1,911	9	6	....do	(?)
Almirante Barroso	Wood, 1882; corvette; new type; condition good	317	12.5	235 0	37 0	17 0	(?)2,200	2	.....	40-pounder Armstrong B. L.	8
								6	.....	....do	8
Gun-vessels and gunboats.											
Paranahyba	Wood, 1878; gun-vessel; bark rig; condition good	147	10	169 0	28 8	11 6	742	5	4.72	Whitworth M. L.	(?)
Traripe	Wood, 1879; river gunboat; condition good	.....	6	131 0	22 4	5 0	.....	1	5.3	.. do	(?)
Premiro de Marco	Wood, 1881; gun-vessel; bark rig; condition good	141	9	166 0	27 7	11 7	726	5	4.72	....do	(?)
Imperial Marinheiro	Wood, 1883; gun-vessel; bark rig; condition good	141	9	166 0	27 7	11 7	726	6	4.72	....do	(?)
Manaos	Wood, 1882; gunboat; brig rig; condition good	58	8	120 0	20 8	3 10	163	(?)	.....	.....	.....
Iniciadora	Iron, 1883; gunboat; condition good	51	9.5	114 10	25 10	5 0	263	2	6	Armstrong B. L.	10
Guarany	Wood, 1883; gunboat; condition good	.....	.....	113 0	26 0	5 6	.....	2	4.72	....do	8
Marago	Steel; gunboat; condition good	.....	9.5	130 0	31 0	6 0	409	2	6	....do	10
Cananea and three others of class	.....do	.....	8	114 10	25 10	4 0	200	2	6	...do	10

* Official estimates.

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foreign ships of war—Continued.

PORTUGAL.

Battery. Position and mounting.	Torpedo boats.	Weight of fire. Ahead.	Broadside.	Astern.	Armor. Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Backing. Material.	Thickness.	Remarks.
							In.	*In.*	*In.*		*In.*	
In casemate		790	395	864	Belt complete, casemate.	Iron	10	6				Built in England.
In stern, under poop.												
												Do.
Pivots												
In broadside.												
Pivot forward.												
(?)												

BRAZIL.

In two turrets	Two	760	1,360	760	Belt to near bow and stern; two turrets.		11	10				Built at Poplar, England; turret armor, 11″; turrets diagonally placed.
On spar-deck, two forward, two stern fire.												
In two turrets	Two	760	1,200	760		Steel	11	7				Same builders; turret armor, 10″; compound; turrets placed diagonally.
On spar-deck, two forward, two stern fire.												
In two turrets			(?)		Belt complete; two turrets.	Iron	12	11.8				Turrets on fore and aft line; 13′ armor; built in France.
do					do	do	12	11.8				Do.
In redoubt			(?)			do	4½	4½				
(?)		(?)	760	(?)								Building at Rio de Janeiro.
			(?)									Built in Rio.
			(?)									
Under forecastle, bow fire.		80	120									Do.
On sponsons; 2 nearly bow and 2 nearly stern fire.		160 nearly.		80 nearly.								
			(?)									
			(?)									
			(?)									
			(?)									
		(?)	160	(?)								
		(?)	80	(?)								
		(?)	160	(?)								
		(?)	160	(?)								

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ARGENTINE REPUBLIC.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Armored vessel.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Almirante Brown	Steel, sheathed; 1880; armored cruiser; belt and casemate; brigantine rig; protective deck, 3″ thick; condition good.	.....	14	239 6	49 2	20 0	4,200	8	8	Armstrong B.L.	15.9
								6	.....	40-pounder Armstrong B. L.	.....
(Not named)	Steel; building in England	.....	*14	250 0	50 0	20 0	4,260	8	8	Armstrong B. L.	15.9
								(†)	(†)	(†)	
Patagonia	Steel; (†); building	.....	*14	213 2	32 10	12 9	1,530	1	10	Armstrong B.L.	21.6
								3	6	....do	
Los Andes	Iron, 1874; monitor type; deck, 1″; condition good	.....	9	180 0	42 6	10 6	1,535	2	8	....do	.....
								2	4½		
El Plata	Iron, 1875; monitor type; deck, 1″; condition good	.....	9	180 0	42 6	10 6	1,535	2	8		.....
								2	4½		
Unarmored vessel.											
Maipu	Iron, 1880; torpedo ship (depot, convoy, and transport); unarmored; condition good.	.....	12	229 7	36 0	8 6	1,100	1	4½	B. L	.....

CHILI.

Armored vessels.											
Almirante Cochrane	Iron, 1874; armored cruiser; belt; casemate overhanging and cut away for fore and aft fire; bark; condition good.	271	12.8	204 0	46 0	19 8	3,560	6	8	B. L	14.4
Blanco Encalada	Iron, 1874; sister ship; condition good	271	12.8	204 0	46 0	19 8	3,560	6	8	....do	14.4
Huascar	Iron, 1864; low freeboard; single turret; short t. g. forecastle and poop cut off bow and stern fire; broadside guns on quarter deck unprotected; brigantine rig; condition fair.	195	11	196 0	35 6	16 0	2,032	2	8	.. do	14.4
								4	.....	20-pounder Armstrong B. L.	.....
Unarmored cruisers.											
Esmeralda	Steel, 1883; new type unarmored; 1st class, cruiser; protective deck 1½″ steel; cork belt; condition good; two masts, armored tops.	.....	18¼	270 0	42 0	18 6	2,920	2	10	Armstrong B. L.	19.4
								6	6	....do	10
Magellanes	Composite, 1874; unarmored corvette; condition good.	166	11.5	190 0	27 0	13 0	772	2	.....	70-pounder Armstrong B. L.	.....
								2	.....	13-pounder Armstrong B. L.	
Pilcomayo	Wood, 1874; unarmored corvette; condition good	.....	10.5	171 0	27 4	.....	600	2	.....	70-pounder Armstrong B. L.	.....
								4	.....	40-pounder Armstrong B. L.	

CHINA.

Armored vessels.											
Ting Yuen	Iron, 1881; armored; battle and cruising ship; turrets and belt; cork chambers forward and abaft belt; deck 3″ thick; brigantine rig; military top; central superstructure on deck; condition good.	300	15.4	298 6	59 0	20 0	7,430	4	12	Krupp	19.8
								2	5.8	....do	8.98
Chen Yuen	Iron, 1882; sister ship	300	15.4	298 6	59 0	20 0	7,430	4	12	.. do	19.8
								2	5.8		8.98
Unarmored vessels.											
Nos. 1, 2, 3, 4, 5, 6 have no motive power.	Wood, 1883; floating batteries; condition good	.....	.....	134 5	36 1	11 10	.....	3	8	Armstrong B. L.	15.9
Hae-An	Wood, 1872; old type frigate; condition fair	372	12	300 0	42 0	20 7	3,400	2	8.5	Krupp B. L.	9.57
								20	4.72	....do	4.72
								4	5.9	....do	5.67

* Official estimate.

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foreign ships of war—Continued.

ARGENTINE REPUBLIC.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Six in casemate, one forward, one aft.	.....	300	(?)620	300	Belt, casemate, bulkheads.	.....	9	7	.....	.....	.....	
Three ahead or astern..												
.....	.....	.....	(?)	.....	....do	Compound	10	.....	.....	.....	.....	
(?)	.....	.....	(?)	.....	(?)	.....	(?)	.....	.....	.....	.....	
In turret.....	.....	360	360	(?)	Belt and turret	Iron	6	.....	.....	.....	.....	Turret armor, 8″.
.....do	.....	.....	.....	.....	....do	....do	6	.....	.....	.....	.....	Do.
Carries a complete outfit of submarine mines.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

CHILI.

In casemate; 4 have nearly bow fire, 2 stern fire.	.....	720	540	360	Belt complete; casemate.	Iron	9	4½	.....	Teak..	10	Built in England.
.....do	.....	720	540	360	....do	....do	9	4½	.....	..do ...	10	Do.
In turret.	.....	.....	400	.....	Belt complete.....	....do	4½	2½	.....	..do ...	10	Do.
In broadside.....	.....	.....	.....	.....	One turret.							
Pivots; one forward, one aft.	.....	400	1,040	400	.....	.....	.....	.....	.....	.....	.....	Built in England. *Coal protection*, in wake of engines and boilers, and on protective deck, above them; steel shields for guns.
In broadside.												
(?)	.....	.....	(?)	.....	.....	.....	.....	.....	.....	.....	.....	
Pivots	.....	.. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

CHINA.

In two turrets	Two, 64 ft.	2,973	1,657	2,973	Belt 138′ long	Compound	14	8	.....	Teak .	14	Two large turrets in waist abreast, 12″ thick; two small, one forward, one aft; light armor; built in Germany.
One forward, one aft, in turrets.	.....	.....	.....	.....	Four turrets.							
.....do	....do	2,973	1,657	2,973	....do	....do	14	8	.....	..do ...	14	Do.
(?)	.....	.....	(?)	.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	(?)	973	(?)	.....	.....	.....	.....	.....	.....	.....	Built at Shanghai.

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CHINA—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
			Knots.	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Yang Wei	Steel, 1881; new type gun-vessel; protective deck; superstructure in waist; condition good.	131	16.2	209 9	32 8	15 0	1,350	2	10	Armstrong B. L.	19.4
Chao-Yuen	Forecastle and quarter deck 4′ 8″ above water line.							4	4½	....do	
Techi Yuen	Steel, 1883; new type cruiser; unarmored; protective deck; condition good.	180	15	236 0	32 8	15 9	2,355	2	8.5	Krupp B. L	9.57
								1	5.9	....do	5.67
Nan Thin	do		15	252 7	37 9	18 0	2,200	2	8.5	....do	9.57
Nan Shuin	Steel, 1884; sister vessel to Nan Shuin							8	4.72	... do	4.72
11, "alphabetical class" gunboats; iron-steel, 1876–1881			9	118 6	27 0	7 6	319	1	11	26-ton Arm. M. L.	
										or	
			9	120 0	30 0	8 0	400	1	11	35-ton Arm. B. L.	20.1
										or	
	A large fleet of lightly armed gunboats.		10.9	125 0	29 0	9 6	440	1	12.5	38-ton Arm. M. L.	

JAPAN.

Armored ships.											
Fu so	Iron, sheathed; 1877; armored cruiser; casemate and belt; ship rig; condition good.	425	14	28 8	47 6	18 3	3,740	4	9.4	Krupp B. L. 15½ ton.	11.77
								2	6.7	Krupp B. L., 5½ ton.	6.3
Kongo	Composite, 1877; belted cruisers; belt covered by outside planking; bark rig; two ports forward for torpedoes, two in waist; condition good.	415	14	229 6	40 7	17 6	2,248	6	5.8	4-ton Krupp B. L.	6.73
								2	6.6	5½-ton Krupp B. L.	7.6
Hi-yei								1	6.6	....do	7.6
Protected cruisers.											
Tsu Kushi	Steel; small type protected cruiser; built for Chili; 2 masts; square rigged forward; guns protected by bullet proof mantlets; condition good.	90	16.8	210	35	17	1,350	2	10	25-ton Armstrong B. L.	19.4
								4	4.8	Armstrong B. L.	
Noëbi	Steel, 1885; new type cruiser; bark rig; 4 torpedo tubes; protective deck 2.48″ thick; new.		15*	320 10	43	21 6	3,651	4	9.45	French B. L	13.3
								6	5.9	....do	
								1	5.9	....do	
Naniwa	Steel, 1885; cruisers of "Esmeralda" type; 2 masts; military tops; protective deck, steel 2″ to 3″ thick; all guns protected by steel shields; 2 torpedo tubes above water on each broadside; new.		18*	300	46	18 6	3,600	2	10.2	28-ton Armstrong B. L.	23
								6	5.9	5-ton Armstrong B. L.	10
Takachiho											
Unarmed cruisers between 2,000 tons and 1,000 tons.											
Katsuragi	Composite, 1885: cruiser, 3d class; bark rig; torpedo tubes on each side; new.	249	13*	208	35	15	1,476	2	6.7	Krupp B. L	
								5	4.72	Do.	
Yamato	Composite, 1885; cruiser, 3d class; bark rig; torpedo tubes on each side; building.	249		208	35	15	1,476	2	6.7	....do	
								5	4.72	Do.	
Musashi	do										

* Official estimate.

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foreign ships of war—Continued.

CHINA—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
In superstructure; one forward, one aft.	.....	400	880	400	.....	.....	.....	.....	.....	.....	.....	Built in England.
In superstructure, broadside.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
In machine-gun proof turret, forward.	.....	432	545	113	.....	.....	.....	.....	.....	.....	.....	Built in Germany.
In machine-gun proof turret, aft.												
One forward, one aft...	One	216	586	216	.....	.....	.....	.....	.....	.....	.....	Do.
In broadside.....	One	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
In bow, trained by helm.	.....	462	.....	.....	.....	.....	.....	.....	.....	.....	.....	
.....	.....	530										Built in England.

JAPAN.

In casemate; 2 bow; 2 stern; 2 beam fire.	.....	816	698	816	Belt complete; casemate.	Iron	9	8	.....	.....	.....	Built in England.
In barbette.												
In broadside.....	.....	245	480	123	Belt ending short of bow and stern with armored bulkhead.	Iron	4½	4½	.....	.....	.....	Do.
Under forecastle.												
Pivot under poop.												
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Pivots; one forward, one aft.	.....	400	800	400	.....	.....	.....	.....	.....	.....	.....	Do.
Broadside.												
In sponsons, 2 forward, 2 aft.	.....	712	868	634	.....	.....	.....	.....	.....	.....	.....	Built in France.
Broadside.												
Pivot, forward.												
Pivots, one forward, one aft.	.....	500	1,240	500	.....	.....	.....	.....	.....	.....	.....	Built in England.
Broadside.												
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
(†)	.....	.....	(†)	.....	.....	.....	.....	.....	.....	.....	.....	Built in Japan.
(†)	.....	.....	(†)	.....	.....	.....	.....	.....	.....	.....	.....	Building in Japan.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.

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JAPAN—Continued.

Name of ship.	Descriptive and explanatory remarks.	Crew, officers and men.	Maximum trial speed.	Dimensions.				Battery.			
				Length.	Breadth.	Draught aft.	Displacement.	Number.	Caliber.	Type.	Power (inches of wrought iron at muzzle).
Unarmored cruisers between 2,000 and 1,000 tons—Continued.			*Knots.*	*Ft. In.*	*Ft. In.*	*Ft. In.*	*Tons.*		*Inch.*		
Kai-mon	Wood, 1882; cruiser, 3d class; bark rig; condition good.	248	12.5	200 4	32 5	15 10	1,436	1	6.7	Krupp B. L	
								6	4.72	do	
Gun-vessels.											
Seiki	Wood, 1875; bark rig gun-vessel; condition good	152	11	192 2	29 8	13 1	980	1	5.9	do	6.73
								4	4.72	do	4.72
Iwaki	Wood, 1878; bark rig gun-vessel; condition good	108	10	146 8	25 3		610	2	4.72	do	4.72
								1	8.9	Do.	
Dispatch vessels.											
Jin-Gei	Wood, 1876; imperial yacht; schooner rig; paddle steamer; condition good.	119		246	30 6		1,792	2			
Amagi	Wood, 1877; dispatch vessel; bark rig; condition good.	140	11	196 6	29 8		908	1	5.9	Krupp B. L	
								4	4.72	Do.	

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foreign ships of war—Continued.

JAPAN—Continued.

Battery.		Weight of fire.			Armor.					Backing.		Remarks.
Position and mounting.	Torpedo boats.	Ahead.	Broadside.	Astern.	Distribution.	Material.	Maximum thickness.	Minimum thickness.	Skin.	Material.	Thickness.	
							In.	*In.*	*In.*		*In.*	
Pivot			233									Built in Japan.
Broadside.												
Pivot			155									Do.
Broadside.												
			(?)									Do.
(?)												Do.
			155									Do.

WAINWRIGHT KELLOGG,
Lieutenant U. S. N.,
J. C. COLWELL,
Lieutenant U. S. N.,
Staff Intelligence Officers.

Approved:
R. P. RODGERS,
Lieutenant U. S. N., Chief Intelligence Officer.
July, 1885.

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